

OCCUPATIONAL SURVEY REPORT





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AVIONICS AEROSPACE GROUND EQUIPMENT (AGE)

CAREER LADDER

AFSCS 326X0A, B, C, D.

27 DECEMBER 1976

OCCUPATIONAL SURVEY BRANCH
USAF OCCUPATIONAL MEASUREMENT CENTER
LACKLAND AFB TEXAS 78236

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TABLE 4

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PREFACE

This report presents a summary of the results of a detailed Air Force Electronics Principles survey of the Avionics Aerospace Ground Equipment specialties, 326XOA, B, C, and D shreds.

The Electronics Principles Inventory (EPI) was developed by Major Thomas J. O'Connor and Mr. Hendrick W. Ruck and the survey data were analyzed by Major O'Connor and Mr. Guy B. Cole. All are members of the Occupational Survey Branch, USAF Occupational Measurement Center, Lackland AFB, Texas.

Computer programs for analyzing the data were designed by Dr. Raymond E. Christal, Occupational and Manpower Research Division, Air Force Human Resources Laboratory (AFHRL), and were written by the Project Analysis and Programming Branch, Computational Sciences Division, AFHRL.

Distribution of this report is made upon request to the USAF Occupational Measurement Center, attention of the Chief, Occupational Survey Branch (OMY), Lackland AFB, Texas 78236.

This report has been reviewed and is approved.

JAMES A. TURNER, JR., Colonel, USAF Commander USAF Occupational Measurement Center WALTER E. DRISKILL, Ph.D. Chief, Occupational Survey Branch USAF Occupational Measurement Center



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ELECTRONICS PRINCIPLES OCCUPATIONAL SURVEY REPORT AVIONICS AEROSPACE GROUND EQUIPMENT CAREER LADDER AFSCS 326X0A, B, C, D

INTRODUCTION

This report summarizes the results of the administration of the Electronics Principles survey to airmen assigned to the Avionics Aerospace Ground Equipment (AGE) specialties, including 326X0A, Manually Operated Avionics AGE; 326X0B, Automatic Avionics AGE; 326X0C, F/RF-4 Peculiar AGE; and 326X0D, A-7D Avionics AGE. The survey data were collected during the period 1 May through 30 August 1976.

This report describes: (1) development and administration of the survey instrument; (2) summaries of background information which reflect the population of the survey sample; and (3) electronics principles used by personnel at various points in their career progression.

DEVELOPMENT OF THE ELECTRONICS PRINCIPLES INVENTORY (EPI)

Development of the EPI involved personnel from the Occupational Survey Branch who were well qualified in theoretical physics and electronics, as well as having expertise in task analysis and survey development. Over 300 maintenance personnel from SAC, TAC, ADC, MAC, and AFCS participated in the development of the survey instrument. Ten electronics experts from the five ATC training centers, who averaged 12 years of maintenance experience and four years of electronics principles instruction experience, spent several weeks refining the EPI.

In addition, personnel at the Electrical Engineering Department of the USAF Academy and the Air Force Human Resources Laboratory were consulted during the development of the inventory.

The EPI contained 1,257 items in 62 subject matter areas covering all electronics principles training given at the five ATC technical training centers.

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ADMINISTRATION

The Electronics Principles Inventory (EPI) was administered in person or by mail to 1,097 airmen worldwide assigned to all shreds of the three 326XX career ladders. This total represents approximately 31 percent of the airmen assigned to these career ladders, as of 30 June 1976.

This report mainly presents the results of the data from the 326X0 career ladder. Two other separate reports have been written to cover the 326X1 and the 326X2 career ladders. Table 1 reflects the distribution of assigned personnel and percentage sampled in each of the four shreds of the 326X0 ladder. Responses were received from over 25 percent of each shred of 326X0 except for the C shred. In this shred, only three returns were received. Due to the small number of returns for C shred, any inferences derived from the data for this shred should be reviewed with caution.

TABLE 1 326X0 COMMAND REPRESENTATION

326XOC* PERCENT OF PERCENT OF SAMPLE ASSIGNED SAMPLE		32	13	47 38		7	/	100%	526	c	88	
326X0B PERCENT OF PE ASSIGNED	• ;	77	°=	57		- 1		100%	262	70	27%	
5XOA PERCENT OF SAMPLE		33	9	63		19		100%				
326X0A PERCENT OF PERC ASSIGNED SA	2	<u>m</u> o	0	59		7		100%	140	36	L 26%	
COMMAND					OVERSEAS				TOTAL ASSIGNED	TOTAL SAMPLE	PERCENT OF TOTAL ASSIGNED SAMPLED	

 \star Survey sample too limited for signifcant results--only 3 returns from this shred.

SUMMARY OF BACKGROUND INFORMATION FOR 326XO CAREER LADDER PERSONNEL

Assignment to Career Ladder

Over 60 percent of the respondents in each shred were assigned to their present specialty after completing resident technical training. Of the remainder, most were retrained from another specialty, with a few being reclassified or converted from another career ladder without technical training. None reported direct duty assignment from basic training.

Job Satisfaction

Table 2 compares Avionics AGE (326X0) personnel with members in the 326X1 and 326X2 career ladders in terms of job satisfaction. Also shown is data reflecting the job satisfaction of incumbents in other Air Force specialties surveyed in 1975. Personnel in the A shred of 326X0, the D shred of 326X1, and the C shred of 326X2 find their jobs less interesting than members of the other shreds within the same career ladder.

Perceived Utilization of Talents and Training

Table 3 presents the perceived utilization of talents and training factors for the 326X0 shreds, the 326X1 shreds, and the 326X2 shreds. For comparison purposes, the average results from 35 other career ladders surveyed in 1975 are also given. The survey data reflect that 42 percent of the 326X0A personnel, 45 percent of 326X1D personnel, and 41 percent of the 326X2C personnel felt that their training was being utilized very little or not at all. A similar pattern is noted for these same AFSCs when comparing how their job utilizes their talents. A highly significant finding is that 63 percent of the 326X2C personnel perceive that their job utilizes their talents very little or not at all.

JOB SATISFACTION

(PERCENT MEMBERS RESPONDING)

I FIND MY JOB:	326X0A (N=36)	326x0B (N=70)	326X0C* (N=3)	326X0D (N=33)	326X1C (N=70)	326X1D (N=147)	326X1E (N=87)	326X2A (N=164)	326X2B (N=146)	326X2C (N=155)	OTHER AF SPECIALTIES (N=21,107) **
INTERESTING	59	80	19	70	74	54	17	59	57	35	69
80-80	22	7	,	6	10	23	18	12	20	56	15
DULL	19	13	33	18	91	23	=	19	21	39	91
NOT RESPONDING				က		,	,	-	2	,	

* Survey sample too limited for significant results

** Based on responses from incumbents in 35 other career ladders surveyed during 1975.

TABLE 3
PERCEIVED UTILIZATION OF TALENTS AND TRAINING

TOTAL SAMPLE BY SHRED (PERCENT MEMBERS RESPONDING)

MY JOB UTILIZES MY TALENTS:	326x0A (N=36)	326x0B (N=70)	326X0C* (4=3)	326X0D (N=33)	326X1C (N=70)	326X1D (N=147)	326X1E (N=87)	326X2A (N=164)	326X2B (N=146)	326X2C (N=155)	OTHER AF SPECIALTIES (N=21,107)
VERY LITTLE OR NOT AT ALL FAIRLY WELL QUITE WELL TO PERFECTLY NOT RESPONDING	33 28 39	16 39 45	33	24 39 37	27 40 33	42 34 22 2	24 29 46 1	30 30 -	33 29 1	63 25 12	
MY JOB UTILIZES MY TRAINING:											
VERY LITTLE OR NOT AT ALL FAIRLY WELL QUITE WELL TO PERFECTLY NOT RESPONDING	42 17 41	16 33 51	33	30 34 34	33 34 34	45 33 21	25 33 42	25 38 35 2	27 38 33 2	399	

* Survey sample too limited for significant results

** Based on responses from incumbents in 35 other career ladders surveyed during 1975.

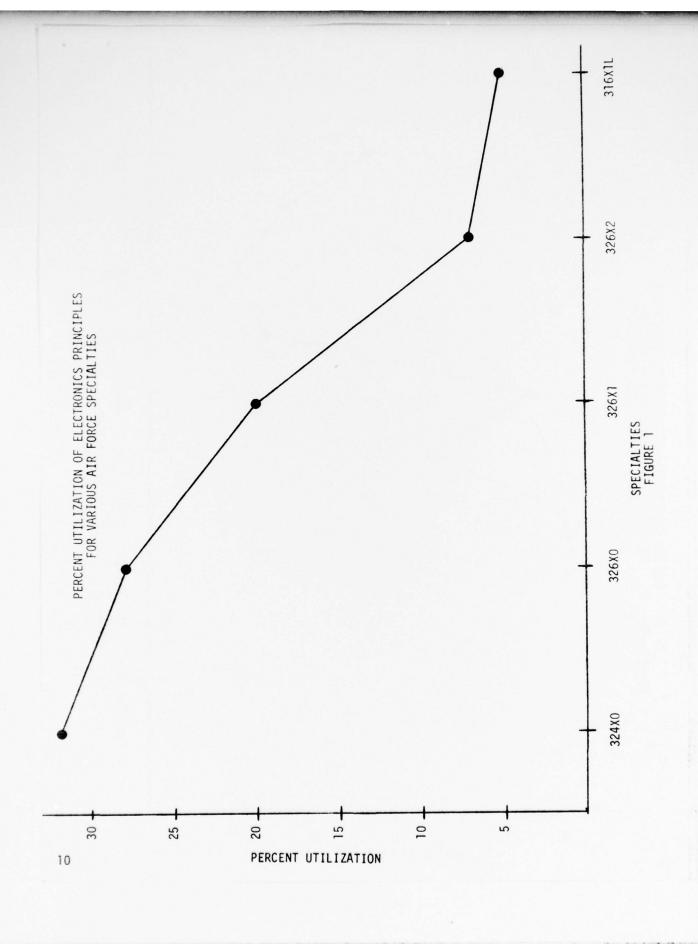
GENERAL RESULTS

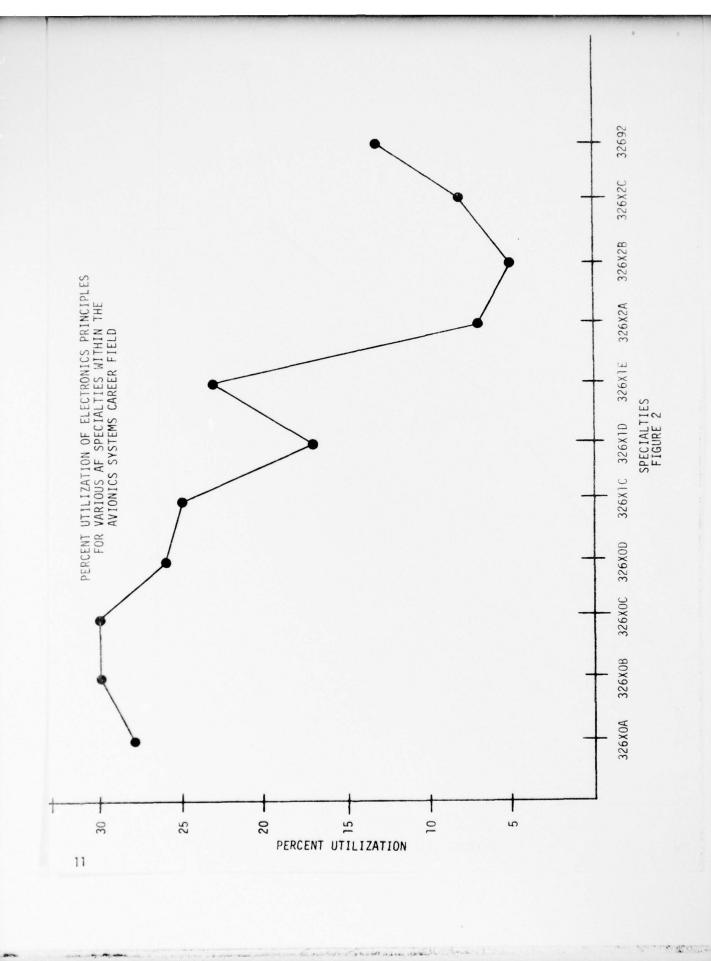
Figure 1 presents the overall results for the 326XX career ladders. Data for two other career ladders, 324XO (PMEL) and 316X1L (Missile Systems Maintenance), are also shown on Figure 1 for comparison purposes.

There were a total of 1,257 electronics principles questions or items in the survey. 326X0 career ladder personnel responded "Yes" to an average of 352 items or to 28 percent of the total number of items. The 28 percent is an average figure for all the shreds of 326X0. Figure 1 also shows that 326X1 personnel (all shreds averaged) responded "Yes" to an average of 255 electronics principles items or to 20 percent of the total number of items, while 326X2 personnel (all shreds averaged) responded "Yes" to an average of 83 items in the survey or to seven percent of the total number of items.

These results, therefore, indicate a wide range of usage of electronics principles among the 326X0, 326X1, and 326X2 career ladders. In addition, Figure 1, shows how the 326XX career ladders compare in field utilization of basic electronics principles with the two other career ladders, 324X0 and 316X1L. AFS 324X0 personnel responded "Yes" to an average of 401 items or to 32 percent of the total number of items, while 316X1L personnel responded "Yes" to an average of 58 items or to five percent of the total number of items.

Figure 2 shows the percent field utilization of electronics principles for all shreds of 326XX and for 32692 (Integrated Avionics Superintendent). As shown, 326X0B and 326X0C personnel have the highest utilization of electronics principles, while 326X2C personnel show the lowest utilization of electronics principles. It is interesting to note that 32692 personnel show a higher percent utilization of electronics principles than does any shred of 326X2.





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IN DEPTH ANALYSIS OF THE GENERAL RESULTS

Table 4 is a general reference table and is a useful tool in applying the results of the data. It lists the 62 subject areas of electronics principles in the sequence or order of presentation both in the survey and in the computer results (the Appendix). Table 4 is useful in applying the information given in Tables 6 through 14. The computer results given in the Appendix are not numbered 1 through 62, but instead have the computer notation Al through U2, as given in Table 4. Also, each of the subject areas has a certain number of questions or items which require a response. For example, it can be seen from Table 4 that the "Mathematics" subject area, subject number 1 (computer notation Al), has 14 questions or items.

Table 5 gives the number of subject areas, out of a possible 62, in which various percentages of persons responded "Yes" to at least one question or item in any subject area. For example, 50 percent or more 32650A personnel responded "Yes" to at least one item or question in each of 36 subject areas, whereas 30 percent to 49 percent of the 32650A responded "Yes" to at least one item in each of seven subject areas. The 5-skill level for each AFS is used because of the large sample of respondents for that skill level and because the data revealed that the 5-skill level represented a typical cross-section for all skill levels within each AFS. Data for 32650C are not presented because of an insufficient sample.

A significant finding, for the 326XO career ladder, derived from Table 5, is that the maximum number of subject areas receiving 50 percent or more "Yes" responses for the 5-skill level of any shred of 326XO was 39 (out of a possible 62) in the B shred. An overall observation is that there is a significant difference in the number of subject areas receiving "Yes" responses among the shreds of 32650, 32651, and 32652 at the 50 percent or more members responding level.

Tables 6 through 14 give the specific subject areas for each of the 32650 shreds listed in Table 5.

In order to find the percentage of "Yes" responses for each question or item in a particular subject area, use Table 4, Table 15, and the Appendix. For example, if one were interested in finding out what the percentage of "Yes" responses was for each question or item in the "Mathematics" subject area for 32650A personnel, the answer can be determined by looking at Table 15 and seeing that 32650A is identified in the computer printout (the Appendix) as SPC008, a column heading in the Appendix. Table 4 indicates that "Mathematics" is the first subject area and has the computer printout (the Appendix) designation

of Al. Thus, on page 4 of the Appendix, items 1 through 14 (designated as Al-Ol through Al-14) are read under the column designated as SPC008. It can be seen from page 4 that 14 percent of the sample of 32650A indicated that they have to "Find the Square Root of a Quantity" (item Al-O4).

Large patterns of "Yes" responses can be immediately determined by scanning through the Appendix. For example, page 6 of the Appendix shows a high pattern of "Yes" responses for all groups (SPC006 through SPC013) for items 60 through 74 or computer notation B1-09 through B3-08; whereas, for items 75 through 87 (B3-09 through B3-21), the pattern of "Yes" responses is low.

TABLE 4
Summary of EPI Subject Areas

equence of Subject Areas	Computer Printout Notation	Subject Area Title	Number of Possible Responses or Number of Items in each Subject Area
1	Al	Mathematics	14
2	A2	Direct Current and Voltage	9
3	A3	Resistance	28
4	B1	Multimeter Uses	9
3 4 5	B2	Alternating Current	6
6	B3	Inductors and Inductive	
		Reactance	25
7	Cl	Capacitors and Capacitive	
0	22	Reactance	36
8	C2	Transformers	43
9	C3	Magnetism	14
10	D1	RCL Circuits	44
11	D2	Series and Parallel Resonance	
		(Time Constants)	10
12	D3	Filters	22
13	E1	Coupling	12
14	E2	Soldering	22
15	E3	Relays	19
16	F1	Microphones	13
17	F2	Speakers	15
18	F3	Oscilloscopes	12
19 ,	G1	Semiconductor Diodes	50
20	G2	Transistors	24
21	G3	Transistor Amplifiers	49
22	н	Solid-State Special Purpose Devices	6
23	H2	Power Supplies	29
24	H3	Oscillators	27
25	11	Multivibrators	16
26	12	Limiters and Clampers	10
27	13	Electron Tubes	44
28	ĴĨ	Electron Tube Amplifiers and	
00	10	Circuits	7
29 30	J2 J3	Special Purpose Electron Tubes Heterodyning, Modulation, and	16
		Demodulation	6
31	K1	AM Systems	28
32	K2	FM Systems	19
33	K3	Numbering Systems	10
34	L1	Logic Functions	13
35	L2	Boolean Equations	25
36	L3	Counters	24
37	M1	Timing Circuits	12
38	M2	Use of Signal Generators	10
39	M3	Motors and Generators	29
40	N1	Meter Movements	10

TABLE 4 (Continued)

Saturable Reactors and Magnetic Amplifiers 42 N3 Waveshaping Circuits 43 O1 Single Sideband Systems 44 O2 Pulse Modulation Systems 45 O3 Antennas 46 P1 Transmission Lines 47 P2 Waveguides and Cavity Resonators	
42 N3 Waveshaping Circuits 43 01 Single Sideband Systems 44 02 Pulse Modulation Systems 45 03 Antennas 46 P1 Transmission Lines 47 P2 Waveguides and Cavity Resonators	16
43 01 Single Sideband Systems 44 02 Pulse Modulation Systems 45 03 Antennas 46 Pl Transmission Lines 47 P2 Waveguides and Cavity Resonators	11
44 02 Pulse Modulation Systems 45 03 Antennas 46 Pl Transmission Lines 47 P2 Waveguides and Cavity Resonators	30
45 03 Antennas 46 Pl Transmission Lines 47 P2 Waveguides and Cavity Resonators	39
46 Pl Transmission Lines 47 P2 Waveguides and Cavity Resonators	39
47 P2 Waveguides and Cavity Resonators	
	31
	50
48 P3 Microwave Amplifiers and	
Oscillators	76
49 Q1 Registers	7
50 Q2 Storage Devices	9
51 Q3 Digital to Analog Converters	14
52 R1 Phantastrons	1
53 R2 Schmitt Triggers	3
54 R3 Cable Fabrication	3 2 3
	3
	1
56 S2 Photo Sensitive Devices	1
57 S3 Synchronous Vibrations (Chopper	
Circuits)	9
58 Tl Infrared	27
59 T2 Lasers	34
60 T3 Display Tubes	14
61 Ul Programming	21
62 U2 DB and Power Ratios	3

TABLE 5

NUMBER OF SUBJECT AREAS, OUT OF A POSSIBLE 62, IN WHICH A SPECIFIED PERCENT OF PERSONS IN EACH ÅFSC (50% OR MORE, 30 TO 49%, OR 0 TO 29%) MARKED AT LEAST ONE "YES" RESPONSE.

	32650A	326508	326500	326510	32651D	32651E	32652A	32652B	326520
+%05	36	39	34	30	50	33	6	8	15
30-49%	7	9	9	14	91	6	7	9	4
0-29%	19	17	22	18	56	20	46	48	43

THIRTY-SIX SUBJECT AREAS WITH HIGH JOB UTILIZATION OF BASIC ELECTRONICS.
THAT IS, 50 PERCENT OR MORE OF THE SURVEY SAMPLE RESPONDED "YES" TO
ONE OR MORE QUESTIONS WITHIN EACH AREA.
32650A

MATHEMATICS DIRECT CURRENT AND VOLTAGE RESISTANCE MULTIMETER USES ALTERNATING CURRENT INDUCTORS AND INDUCTIVE REACTANCE CAPACITORS AND CAPACITIVE REACTANCE **TRANSFORMERS** RCL CIRCUITS **FILTERS** COUPLING SOLDERING RELAYS OSCILLOSCOPES SEMICONDUCTOR DIODES TRANSISTORS TRANSISTOR AMPLIFIERS SOLID-STATE SPECIAL PURPOSE DEVICES

POWER SUPPLIES **OSCILLATORS** MULTIVIBRATORS LIMITERS AND CLAMPERS NUMBERING SYSTEMS LOGIC FUNCTIONS BOOLEAN EQUATIONS COUNTERS TIMING CIRCUITS USE OF SIGNAL GENERATORS METER MOVEMENTS WAVESHAPING CIRCUITS WAVEGUIDES AND CAVITY RESONATORS REGISTERS STORAGE DEVICES DIGITAL TO ANALOG CONVERTERS INPUT-OUTPUT DEVICES DB AND POWER RATIOS

TABLE 7

SEVEN SUBJECT AREAS WITH MODERATE JOB UTILIZATION OF BASIC ELECTRONICS.
THAT IS, 30 TO 49 PERCENT OF THE SURVEY SAMPLE RESPONDED "YES" TO
ONE OR MORE QUESTIONS WITHIN EACH AREA
32650A

SERIES AND PARALLEL RESONANCE (TIME CONSTANTS)
MOTORS AND GENERATORS
MICROWAVE AMPLIFIERS AND OSCILLATORS
SCHMITT TRIGGERS
CABLE FABRICATION
PHOTO SENSITIVE DEVICES
PROGRAMMING

NINETEEN SUBJECT AREAS WITH LOW JOB UTILIZATION OF BASIC ELECTRONICS. THAT IS, 29 PERCENT OR LESS OF THE SURVEY SAMPLE RESPONDED "YES" TO ANY QUESTIONS WITHIN EACH AREA. 32650A

MAGNETISM
MICROPHONES
SPEAKERS
ELECTRON TUBES
ELECTRON TUBE AMPLIFIERS AND CIRCUITS
SPECIAL PURPOSE ELECTRON TUBES
HETERODYNING, MODULATION, AND
DEMODULATION
AM SYSTEMS
FM SYSTEMS
SATURABLE REACTORS AND MAGNETIC
AMPLIFIERS

SINGLE SIDEBAND SYSTEMS
PULSE MODULATION SYSTEMS
ANTENNAS
TRANSMISSION LINES
PHANTASTRONS
SYNCHRONOUS VIBRATIONS
(CHOPPER CIRCUITS)
INFRARED
LASERS
DISPLAY TUBES

TABLE 9

THIRTY-NINE SUBJECT AREAS WITH HIGH JOB UTILIZATION OF BASIC ELECTRONICS. THAT IS, 50 PERCENT OR MORE OF THE SURVEY SAMPLE RESPONDED "YES" TO ONE OR MORE QUESTIONS WITHIN EACH AREA.

32650B

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MATHEMATICS DIRECT CURRENT AND VOLTAGE RESISTANCE MULTIMETER USES ALTERNATING CURRENT INDUCTORS AND INDUCTIVE REACTANCE CAPACITORS AND CAPACITIVE REACTANCE TRANSFORMERS RCL CIRCUITS FILTERS COUPLING SOLDERING RELAYS OSCILLOSCOPES SEMICONDUCTOR DIODES TRANSISTORS TRANSISTOR AMPLIFIERS SOLID-STATE SPECIAL PURPOSE DEVICES POWER SUPPLIES

OSCILLATORS MULTIVIBRATORS NUMBERING SYSTEMS LOGIC FUNCTIONS BOOLEAN EQUATIONS COUNTERS TIMING CIRCUITS USE OF SIGNAL GENERATORS MOTORS AND GENERATORS METER MOVEMENTS WAVESHAPING CIRCUITS WAVEGUIDES AND CAVITY RESONATORS REGISTERS STORAGE DEVICES DIGITAL TO ANALOG CONVERTERS SCHMITT TRIGGERS CABLE FABRICATION INPUT-OUTPUT DEVICES PROGRAMMING DB AND POWER RATIOS

in.

SIX SUBJECT AREAS WITH MODERATE JOB UTILIZATION OF BASIC ELECTRONICS. THAT IS, 30 TO 49 PERCENT OF THE SURVEY SAMPLE RESPONDED "YES" TO ONE OR MORE QUESTIONS WITHIN EACH AREA. 32650B

MAGNETISM
SERIES AND PARALLEL RESONANCE (TIME CONSTANTS)
LIMITERS AND CLAMPERS
PULSE MODULATION SYSTEMS
MICROWAVE AMPLIFIERS AND OSCILLATORS
PHOTO SENSITIVE DEVICES

TABLE 11

SEVENTEEN SUBJECT AREAS WITH LOW JOB UTILIZATION OF BASIC ELECTRONICS. THAT IS, 29 PERCENT OR LESS OF THE SURVEY SAMPLE RESPONDED "YES" TO ANY QUESTION WITHIN EACH AREA. 32650B

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MICROPHONES
SPEAKERS
ELECTRON TUBES
ELECTRON TUBE AMPLIFIERS AND CIRCUITS
SPECIAL PURPOSE ELECTRON TUBES
HETERODYNING, MODULATION, AND
DEMODULATION
AM SYSTEMS
FM SYSTEMS
SATURABLE REACTORS AND MAGNETIC
AMPLIFIERS

SINGLE SIDEBAND SYSTEMS
ANTENNAS
TRANSMISSION LINES
PHANTASTRONS
SYNCHRONOUS VIBRATIONS
(CHOPPER CIRCUITS)
INFRARED
LASERS
DISPLAY TUBES

THIRTY-FOUR SUBJECT AREAS WITH HIGH JOB UTILIZATION OF BASIC ELECTRONICS.
THAT IS, 50 PERCENT OR MORE OF THE SURVEY SAMPLE RESPONDED "YES" TO
ONE OR MORE QUESTIONS WITHIN EACH AREA.
32650D

MATHEMATICS DIRECT CURRENT AND VOLTAGE RESISTANCE MULTIMETER USES A_TERNATING CURRENT INDUCTORS AND INDUCTIVE REACTANCE CAPACITORS AND CAPACITIVE REACTANCE TRANSFORMERS FILTERS SOLDERING RELAYS OSCILLOSCOPES SEMICONDUCTOR DIODES TRANSISTORS TRANSISTOR AMPLIFIERS SOLID-STATE SPECIAL PURPOSE DEVICES POWER SUPPLIES

OSCILLATORS MULTIVIBRATORS NUMBERING SYSTEMS LOGIC FUNCTIONS BOOLEAN EQUATIONS COUNTERS TIMING CIRCUITS USE OF SIGNAL GENERATORS METER MOVEMENTS WAVESHAPING CIRCUITS WAVEGUIDES AND CAVITY RESONATORS REGISTERS STORAGE DEVICES DIGITAL TO ANALOG CONVERTERS CABLE FABRICATION INPUT-OUTPUT DEVICES PROGRAMMING

TABLE 13

SIX SUBJECT AREAS WITH MODERATE JOB UTILIZATION OF BASIC ELECTRONICS.
THAT IS, 30 TO 49 PERCENT OF THE SURVEY SAMPLE RESPONDED "YES" TO
ONE OR MORE QUESTIONS WITHIN EACH AREA.
32650D

MAGNETISM
RCL CIRCUITS
COUPLING
MOTORS AND GENERATORS
SCHMITT TRIGERS
PHOTO SENSITIVE DEVICES

TWENTY-TWO SUBJECT AREAS WITH LOW JOB UTILIZATION OF BASIC ELECTRONICS. THAT IS, 29 PERCENT OR LESS OF THE SURVEY SAMPLE RESPONDED "YES" TO ANY QUESTION WITHIN EACH AREA. 32650D

SERIES AND PARALLEL RESONANCE (TIME CONSTANTS)
MICROPHONES
SPEAKERS
LIMITERS AND CLAMPERS
ELECTRON TUBES
ELECTRON TUBE AMPLIFIERS AND CIRCUITS
SPECIAL PURPOSE ELECTRON TUBES
HETERODYNING, MODULATION, AND DEMODULATION
AM SYSTEMS
FM SYSTEMS
SATURABLE REACTORS AND MAGNETIC
AMPLIFIERS

SINGLE SIDEBAND SYSTEMS
PULSE MODULATION SYSTEMS
ANTENNAS
TRANSMISSION LINES
MICROWAVE AMPLIFIERS AND
OSCILLATORS
PHANTASTRONS
SYNCHRONOUS VIBRATIONS
(CHOPPER CIRCUITS)
INFRARED
LASERS
DISPLAY TUBES
DB AND POWER RATIOS

READING THE COMPUTER PRINTOUTS (GPSM1B, GPSM1C, AND JOBINV)
WHICH ARE IN THE APPENDIX

GPSM1B (Appendix pages 3 to 46) is a summary which gives the percent of members of a group which responded "Yes" to the items in the survey booklet. At the top of each column of numbers on any page of GPSM1B are the following Group Identifiers and Groups:

```
SPC006 - All airmen with DAFSC 326X0A (36 members)
SPC007 - All airmen with DAFSC 32630A (5 members)
SPC008 - All airmen with DAFSC 32650A (21 members)
SPC009 - All airmen with DAFSC 32670A (10 members)
SPC010 - All airmen with DAFSC 326X0B (70 members)
SPC011 - All airmen with DAFSC 32630B (6 members)
SPC012 - All airmen with DAFSC 32650B (45 members)
SPC013 - All airmen with DAFSC 32670B (19 members)
```

GPSM1C (Appendix pages 49 to 91) is a summary which gives the percent of members of a group which responded "Yes" to the items in the survey booklet. At the top of each column of numbers on any page of GPSM1C are the following Group Identifiers and Groups:

```
SPC014 - All airmen with DAFSC 326X0C (3 members)
SPC016 - All airmen with DAFSC 32650C (2 members)
SPC017 - All airmen with DAFSC 32670C (1 member)
SPC018 - All airmen with DAFSC 326X0D (33 members)
SPC019 - All airmen with DAFSC 32630D (1 member)
SPC020 - All airmen with DAFSC 32650D (24 members)
SPC021 - All airmen with DAFSC 32670D (8 members)
```

To conserve space, some of the items have been abbreviated in GPSM1B and GPSM1C in the Appendix. Each item has been listed in its entirety in the Job Inventory (JOBINV) beginning on page 92 of the Appendix. For example, Task A1-01, page 4, GPSM1B, is incomplete. In order to find the complete statement, turn to page 92 of the Appendix and read item A1-01.

APPENDIX

	TABLE OF CONTENTS			APPENDIX TOC PAGE 1	AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND	
100 NUMERIORY FOUNTY AS TITLES 20 FSC GRPS 2 CS SILC 10 FS ASSEMENTES 2 CS SILC 2 CS SIL		N C P O P P P P P P P P P P P P P P P P P	REPORT ID		PAGE IUNBER	
		- N M F	100 6PSH1B 6PSH1C JOBIN	TABLE OF CONTENTS PCT MBAS ANSWANG YES FOR 326XO/92 DAFSC GRPS PCT MBAS ANSWANG YES FOR 326XO/92 DAFSC GRPS JOB INVENTORY (DUTY/TASK TITLES)	47 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
						-
						-
						-
						1
						1
						•

EPORTS ON THE FOLLOWING GROUPS RERE REQUESTED EPORTS ON THE FOLLOWING GROUPS RERE REQUESTED SPOUP DEBNITY - SPOOP ALL ARM 328408. CONTINUING SECOND DEBNITY - SPOON ALL ARM 328408.	BOT BERN SCHERFO YOU BOR 326x0/92 DARM GROW	GPSMIB PAGE 2	AF HUMAN RESOURCES LABORATORY
ON THE FOLLOWING GROUPS RERE REQUESTED ACQUIDERTITY - SPCCOS ALL ANN 328301 GROUP DERTITY - SPCCOS ALL ANN 328301 GROUP DERTITY - SPCCOS ALL ANN 328301 GROUP DERTITY - SPCCOS ALL ANN 328302 GROUP DERTITY - SPCCOS ALL ANN 328308 GROUP DERTITY - SPCCOS ALL ANN	HEMBERS ANSWERING TEST TO EPI ITEMS BY IN THE 326x0/92 CAREER LADDER.		
DENTITY = SPC000 ALL ANY 32430A CONTINING 5 DENTITY = SPC000 ALL ANY 32470A CONTINING 5 DENTITY = SPC010 ALL ANY 32470A CONTINING 10 CONTINING	ON THE FOLLOWING GROUPS WERE		
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	IDENTITY - SPECIA ALL AM	CONTAINING	

PERCENT MEMBE	DUITY GROUP SURFERS PERFORMING								
	DUIY	900	007	0000	200	010	0110	SPC SPC 012 013	um
MATHENATICS,	ICS, DIRECT CURRENT, VOLTAGE, AND	100	1 00	001	001	97 1	001	96 95	•
RESISTANCE	'								
HULTIMET	HULTIMETER USES, ALTERNATING	100	8	001	200		001	100	
CURRENT	CURRENT, INDUCTORS, AND IMDUCTIVE CAPACITORS, CAPACITIVE REACTANCE, TRANSFORMERS,	44	100	1 00	06	93 1	100	93 89	•
AND HAGNETISM	NET I SH	,							
ACL CIRC			00	00	9	000	001		
RESONAN	RESONANCE (TIME CONSTANTS), AND FILTERS				,				
COUPLING	COUPLING, SOLDERING, AND MELAYS	100	001	001	001		001		
SENICOPHO	MICROPHONES, SPEAKERS, AND OSCILLOSCOPES Spriconductor diodes, transistors, and transistor	100			000	1 96		96 95	• •
Seal at less									
SOLID ST	SOLID STATE SPECIAL PURPOSE DEVICES, POWER	41	100	100	06	1 +6	100	63 6	56
SUPPLIE									
TULTIVIB	MULTIVIBRATORS, LIMITERS, CLAMPERS, AND ELECTRON TUBES	75	90	1 8	09	7.3	63	73 6	99
LECTRON	ELECTRON TUBE AMPLIFIERS AND CINCUITS. SPECIAL	31	0	33	0	24			
PURPOSE	PURPOSE ELECTRON TUBES, METERODYNING, MODULATION,								
IN STSTE	AN SYSTEMS, FM SYSTEMS, AND MUMBERING SYSTEMS	72	90		000			85	× (2
0610 50		7.	9	0	200	0 :		201	o 6
INING C	TIMING CIRCUITS, USE OF SIGNAL GENERATORS,	9 8	0	0	9		001		
ETER NO	METER MOVEMENTS, SATURAGE HEACTORS.	42	90	1 00	80	1 06	100	9 1	**
HAGNETI	HAGNETIC AMPLIFIERS, AND WAVESHAPING CIRCUITS								
SINGLE S	HOEBAND SYSTEMS, PULSE HODULATION	2.5	0	61	0	37	6.7	36 3	32
SYSTEMS	SYSTEMS, AND ANTENNAS	:	:		:				
RANSHIS	TRANSMISSION LINES, MAVEGUIDES AND CAVITY	12	0.7	•	0.9	0 0	7		7,
A COURT	-	7.5	•	60	80	• 6	100	98 100	0
1411010	A STANDARD OF THE PROPERTY OF								
PHANTAST	PHANTASTRONS, SCHWITT TRIGGERS, AND	99	0	79	50	83	100	9 09	
CABLE F									
INPUTIOU	NPUTIOUTPUT DEVICES. PHOTO SENSITIVE	69	90	9 6	0	10	001		
DEVICES	DEVICES, AND SYNCHRONDUS VIBRATIONS								
LERARED	NFRARED, LASERS, AND DISPLAY TUBES	52	•	58	0	2	33		21
FROGRAMM	ROGRAMMITG. DB AND POMER RATIOS	78	•	06	10		100		•

FOR FIXED RESISTORS OF FOR TAPPED RESISTORS.	A3-OB DO YOU USE OR REFER TO RESISTOR SYMBOLS: SUCH AS	YOU USE OR REFER TO TEMPERATURE COEFFICIENTS	CHECK OHMIC VALUE OF RESISTORS.	ADJUST RESISTORS.	CLEAN RESISTORS.		WORK WITH RESISTORS IN YOUR PRESENT JOB					TERH DYNE.		TERM OHM.	TERM ELECTROMOTIVE FORCE (EMF).		SOLVE OR USE PROPORTIONS.	YOU SOLVE OR USE SIMULTANEOUS EQUATIONS.	APEAS OF CIRCLES OR TRIANGLES.	SINE. COSINE. OR TANGENT.	AT-IT DO YOU BORK WITH TRIGONOHETRIC FUNCTIONS SUCH	AL-ID DO YOU WORK WITH VECTOR QUANTITIES, SUCH AS ADDING	THE LOGARITHM SYSTEM WHICH USES THE NUMBER 2.718 AS	TOU USE THE MATURAL SYSTEM OF LOGARITHMS ITHIS	TI FOILTIONS.	USE LOGARITHM TABLES IN ANY TYPE OF	CONVERT NUMBERS TO LOGARITHMS.	SOLVE FOR AN UNKNOWN QUANTITY.	FIND THE SQUARE ROOT OF A QUANTITY.	YOU REARRANGE AND SOLVE FORMULAS OR EQUATIONS.	ORDER OR MAINTENANCE MANUAL, IN WHICH IT IS NECESSARY	al-02 DO YOU USE A PUBLICATION. SUCH AS A TECHNICAL		
86	99	75 25	97		72	8.4	•	A CONTRACTOR OF THE PROPERTY O	17	-	9.	•	o	9,7	• 50		19	•	3		AS 22	9 9N100		O STHI		•	•	28		•		5	89	
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0	95		00	26				•	-			0	v	00	**		24	ຫ	-		29	0		0	'n	S.	5	33				62	95	
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AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND

GPSHIB PAGE 4

PCT HBRS ANSWRNG YES FOR 326X0/92 DAFSC GRPS

TASK GROUP SUNHARY
PERCENT HEMBERS PERFORMING

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TASK GROUP SUMMARY PERCENT MEMBERS PERFORMING DY=TSK 33 A3-10 DO YOU USE RESISTOR COLON CODES WHICH INDICATE THE OHMIC VALUE OF RESISTOR COLOR CODES WHICH INDICATE THE TOLERANCE OF RESISTOR COLOR CODES WHICH INDICATE THE TOLERANCE OF RESISTOR COLOR CODES WHICH INDICATE THE FAILURE RATE OF RESISTOR COLOR CODES WHICH INDICATE THE FAILURE RATE OF RESISTOR COLOR CODES WHICH INDICATE THE FAILURE RATE OF RESISTOR COLOR CODES WHICH INDICATE								
A3-10 DO YOU USE RESISTOR COLOR THE OHMIC VALUE OF RESISTOR COLOR A3-11 DO YOU USE RESISTOR COLOR THE TOLERANCE OF RESISTOR COLOR A3-12 DO YOU USE RESISTOR COLOR A3-12 DO YOU USE RESISTOR COLOR A3-13 DO YOU WAS THE OF RESISTORS.								
THE OMMIC VALUE OF MESISTOR COLOR JHE OMMIC VALUE OF MESISTANCE, JHE TOUR TOU USE RESISTOR COLOR THE TOLERANCE OF RESISTORS, JHE FAILURE RATE OF RESISTORS,	v o	SPC SPC 006 007	SPC 7 008	SPC 000	5 PC	SPC	SPC SPC 012 013	J.
14 ON THE OWN TO VALUE OF RESISTANCE. 3 1 1 00 700 USE RESISTOR COLOR THE TOLERANCE OF RESISTOR COLOR 3 1 2 00 700 USE RESISTOR COLOR THE FALLURE ARTE OF RESISTORS.		97 100	001 0	0.	87	100		6.9
A3-13 DO YOU USE RESISTOR COLOR THE FAILURE RATE OF RESISTORS.		001 +6	9.5	0.	9	100		
THE FAILURE RATE OF RESISTORS.		17	0 24	01	20	13	20 21	
		28 20	29	30	2.6	c	27 32	2
HOW TWO OR HORE BATTERIES HUST B					2	•		
37 AS-14 DO TOU USE OR REFER TO THE SCHEMATIC STHOULS WHICH REPRESENT ANY OF THE FOLLOWING COMPONENTS: BATTERY,	101	001 66	001 0	0 0	o 1	00 0	96 4	D- 40
RESISTIVE CIRCUITS.						0		0
39 A3-16 DG YOU CALCULATE TOTAL CURRENT FOR SERIES		09 49	0 67	9	99	100	95 +9	•
40 A3-17 DO YOU CALCULATE INDIVIDUAL VOLTAGE DROPS FOR		09 49	0 67	9	99	83	67 58	80
SERIES RESISTIVE CIRCUITS. *1 43-18 DO YOU CALCULATE POWER DISSIPATION FOR		50 40	90	9	*	20	44 42	2
ES RESISTIVE CIRCUITS.					7.1	100		
CURRENT FOR SERIES						100		
IDUAL VOLTAGE					9	63	95	
TS. BRANCH CURRENT					-5	83		2
S PARALLEL RESISTIVE CIRCUITS.					95	90		4.2
MESISTIVE CIRCUITS.		75 80	. 0	9	*	100		•
TE TOTAL CURRENT FOR PAR		67 80	0 71	20	99	001	67 53	8
RESISTIVE CIRCUITS.		08 69	1,1	9	•	100	60 53	•
					\$	001		
-		47 40		20	3,1	6.7		3.7
SZ AI-GI DO YOU MEESURE RESISTANCE.	AND ELEMENT FAILTHEY AND TONION OF THE	97 :00		Nava and	9.1	100	-	84
B1-02 DO YOU					0	90	•	•
BI-G3 DO TOU MEASURE V		.0			5	100	-	
BILOS DO YOU REPAIR AN ANNETER				50	• =	0 0	• =	MULTIMETER USES
6 DO YOU MEASURE		86 10	98		80	100		• **
81-07 00 TOU		97 100	-	06	8	100	68	

tp.	es.	00	œ	00	0	•	6	•	0	,	œ	œ		œ (P 0	o oz	œ			p (t					a		ee		00	9
ST 83-21 DO YOU CALCULATE INDUCTIVE REACTANCE.	86 83-20 00 00 02-68 98	85 B	9	93 8	INDUCTOR USING FORMULAS.	INDUCTANCE OF A COIL IS DIR	81 8	80 83-14 DO TOU USE OR REFER TO THE GENERAL RULE THAT	INDUCTANCE OF A COIL IS DIRECTLY PROPORTIONAL TO T	79 A3-13 DO YOU USE	78 8	INDUCTORS.	INDUCTORS.	76 83-10 DO YOU USE OR REFER TO	75 A3-09 DO YOU USE OR REFER TO	74 83-07 DO YOU USE OR	72 83-06 00 YOU USE OR REFER TO IN	71 83-05 DO YOU REMOVE OF REPLAC	70 83-04 DO YOU	59 BU-03 DO YOU CIFER INDUCTORS	INDUCTORS, CHOKES, C	67 83-01 DO YOU WORK WITH INDUCTORS OR CI	\$5 82-05 DO YOU USE OR	65 BZ-05 DO YOU USE OR REFER THE TERM	64 BZ-04 DO YOU USE OR REFER THE TERM WAVE LEI	63 82-03 DO YOU USE OR REFER THE TERM AVERAGE	62 BZ-02 DO YOU USE ON REFER THE TERM PEAK TO PEAK VOLTAGE.	95 BY-01 00 100 08	60 BI-09 DO YOU READ SCHEMATICS	A COULDER.
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GPSHIB PAGE 6

PCT MBRS ANSWENG TES FOR 326x0/92 DAFSC GRPS

PERCENT MEMBERS PERFORMING

AF HUHAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMANY PERCENT MENBERS PERFORMING								
0y-15k	5 PC 000	SPC 007	5 P.C 000	200	2010	SPC	SPC 012	5 d S
183-22 DO YOU USE OR REFER TO THE GENERAL RULE THAT	•	0	•	9	23	2	20	77
DO YOU MORK WITH POWER INDUCTORS.	45	•	33	09	*	0	;	717
DO YOU WORK WITH AUDIO FRE	28	0	38	50	58	11	33	21
DO YOU MORK WITH RADIO FREQUENCY	5.3	0	62	09	37	33	36	42
CONTAINING CAPACITORS ON YOUR PRESENT JOB.	6	100	9 9	0	80	001	90	7.4
	83	100	06	09	80	100	82	••
00	*	0	80	30	59	67	69	32 CAPACITORS AND
00 100	28	0 9	67	30	7.1	6.7	16	CAPACITIVE
DO TOU TEST CAPACITORS.	75	001	92	09	70	00	7	
CLICA DO TOU DISCHARGE CATACITORS.	2 6	9 6	9 4	0 0	9 -	000	18	2.7
DO YOU USE OR REFER TO DE	-	90	6	200	=	17		
DO YOU USE OR	0	0	0	0	0	. 0	0	0
DIELECTRIC.	9	6	4	0	,	:	•	0.1
USE ON REFER TO PAMADS! MICHOFAMADS! O	6	2	6	•		7	•	
DO TOU USE OR REFER TO CA	63	001	76	06	8 1	100		89
USE OR REFER TO DIELECTRIC CONSTANT.	= :	0	0	50	=	•	~	55
CIPILE DO TOU USE ON REFER TO MORKING VOLTAGE NATING OF	•	•	e F	20	9	20	2	:
DO YOU USE OR REFE	ē	50	54	9.0	39	67	1	4.7
CI-IS DO YOU USE OR REFER TO CAPACITOR COLOR CODES.	28	o	£	0	30	•1	50	4.5
HE CAPACITORS YOU WORK AITH	6 6	001	5 6	20	83	001	28	79
CITED THE CAPACITORS FOR MORE ALTH ARE IN ACCUING	9	001	0.6	9 9		000	7 0	
							}	
CI-19 THE CAPACITORS YOU WORK AITH ARE DON'T REMEMBER	•	0	2	0	2	13	•	5
WHICH CIRCUITS. CI-20 DO TOU CALCULATE CAPACITANCE FOR A PARTICULAR	•	20	•	0	2	33		•
CAPACITOR USING FORMULAS.		¢		-	•	:		
CAPACITANCE OF A CAPACITOR IS DIRECTLY PROPORTIONAL	•	•	n	2		:		
USE	=	50	0	0	10	11	1	• 1
CAPACITANCE OF A CAPACITOR IS INVERSELY PROPORTIONAL	28	0	29	9	36	50	27	•
" SERIES.	:	c	9	9	0	9	:	
	0,	•		?		0	;	
•	87	0	5.2	0+	27	50	5.8	•1
18CU175.		•	=	•	;	:	.,	
CAPACITORS. 11	;	•	;	?	3	;		

C 149 (2-22 DO YOU MEASURE RESISTANCE OF TRANSFORMER WINDINGS TO DETERMINE WHETHER A TRANSFORMER HAS A STEP-UP OR	C 148 C2-21 DO YOU CHECK TRANSFORMERS FOR SHORTED MINDINGS BY MEASURING DUTPUT VOLTAGES.	BY MEASURING RESISTANCE.	C 197 CZ-20 00 TOU CHECK TRANSFORMERS FOR SHORTED MINDINGS	C 146 CZ-19 DO TOU CHECK TRANSFORMERS FOR OPEN MINDINGS BY	TRINSFORMER.	1-18 DO YOU WORK WITH DON'T	144 C2-17 DO YOU WORK WITH RADIO FREQUENCY TRAI	143 CZ-16 DO YOU WORK WITH AUDIO	C2-15 DO TOU WORK WITH POWER	141 CZ-14 00 YOU WORK WITH	TRANSFORMERS.	C IND CZ-13 DO YOU CALCULATE IMPEDANCE INTERACTIONS FOR			C 138 CZ-11 DO YOU CALCULATE TURNS RATIOS FOR TRANSFORMERS	137 6	FOR MUTUAL INDUC	C 135 C2-08 DO YOU MAKE A DISTINCTION BETWEEN MUTUAL INDUCTION	C. THE CONTRACT AND CONTRACTOR CO	THE CALCA CO. TO METONS ON METONS OF THE PROPERTY OF THE PROPE	132 CA-05 OG TOG TROUBLESHOOT TRANSFORMENS.	131 62-04 00 100	130 62-03 80 100	CZ-02 00 YOU	128 C2-01 00 YOU	SAPASATORESTANDENT	127 C1-36 DO YOU WORK WITH	C1-35 DO YOU WORK WITH	125 C1-34 DO YOU WORK WITH	124 C1-33 DO YOU WORK WITH	123 C1-32 DO YOU WORK WITH	C 122 C1-31 DO YOU WORK WITH COMPRESSION (TRIMMER) CAPACITORS.	(VARIABLE).	100	120 0	C 119 C1-28 DO YOU USE OR REFER TO THE GENERAL BULE THAT		C 118 C1-27 DO YOU USE OR REFER TO THE GENERAL RULE THAT	OTT-16A	77	
رد	7.8		8-	•			50	50	8.	10			•		•	•	u	œ	•			. 00	00	78	78	THE STREET, ST		6.8	8 3	72	92	50		47	17	28		22	000	SPC	
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2-	0		2	70		-	•	37	76	:		•	;	:	7	-	•	•	•	•				70	77	SENTENNA TENNA	-	80	77	71	80	_		63	12	20		27	0	245	
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AF HUMAN RESOURCES LABORATORY

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PCT MBRS ANSWRNG YES FOR 326XQ/92 DAFSC GRPS

TASK GROUP SUMMARY

HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND MAGNETISM 6.3 = 25 27 50 50 * 4 4 4 4 • SPC -- 00 -7. -Ē = = GPSHIE PAGE 5PC 008 * ... SPC 0007 9 8 9 9 4 9 -C 156 C2-29 DO TOW REPER 10 THE AIR CORE SCHEMATIC STRBOLS
FOR TRANSFORMERS.
C 157 C2-29 DO TOU REFER TO THE IRON CORE SCHEMATIC STRBOLS
FOR TRANSFORMERS.
C 158 C2-31 DO TOU REFER TO THE COMBINATIONS OF THE ABOVE
C 158 C2-31 DO TOU DETERMINE PRASE RELATIONSHIPS BETWERN
C 159 C2-32 DO TOU DETERMINE PRASE RELATIONSHIPS BETWERN
C 159 C2-33 DO TOU DETERMINE OR REFER TO THE TYPE OF CORE IN
TRANSFORMERS TOU DED NEW THIN OR THE GENERAL RULE THAT THE
THAN SPRANGE TO OR USE TO BE USE THE GENERAL RULE THAT THE
THAN SPRANGE TO OR USE THE GENERAL TO THE VOLTAGE
C 161 C2-34 DO TOU NEFER TO OR USE THE STEP-UP OR STEP-DOWN
MATIOS FOR TANSFORMERS.
C 162 C2-35 DO TOU OSE DOWN TASKS DEALING WITH 3
USING TURNS RATIOS.
C 164 C2-37 DO TOU LINGPECT 3 PHASE TRANSFORMERS.
C 165 C2-39 DO TOU LINGPECT 3 PHASE TRANSFORMERS.
C 166 C2-39 DO TOU USPECT 3 PHASE TRANSFORMERS.
C 166 C2-39 DO TOU LEAM OR LUBRICATE 3 PHASE TRANSFORMERS.
C 167 C2-41 DO TOU NEPRET 3 PHASE TRANSFORMERS.
C 168 C2-41 DO TOU NEPRET 3 PHASE TRANSFORMERS.
C 168 C2-41 DO TOU NEPRET 3 PHASE TRANSFORMERS.
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C 169 C2-42 DO TOU NEPRET 3 PHASE TRANSFORMERS.
C 169 C2-42 DO TOU NEURDESHOOT 3 PHASE TRANSFORMERS.
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C 169 C2-42 DO TOU NEURDESHOOT 3 PHASE TRANSFORMERS.
C 169 C2-42 DO TOU NEURDESHOOT 3 PHASE TRANSFORMERS. C 150 C2-23 DO YOU HEASURE DUTPUT VOLTAGE OF TRANSFORMERS TO DEFENDENCE A TRANSFORMER HAS A STEP-UP OR STEP-C 151 C2-34 DO YOU REFER TO THE BASIC TRANSFORMER SCHEMATIC STHBOLS FOR TRANSFORMERS.

C 152 C2-25 DO YOU REFER TO THE HULTIPLE SECONDARY-WINDINGS
C 153 C2-25 DO YOU REFER TO THE HULTIPLE TAP SCHEMATIC STHBOLS
C 153 C2-26 DO YOU REFER TO THE CENTER TAP SCHEMATIC STHBOLS
C 154 C2-27 DO YOU REFER TO THE CENTER TAP SCHEMATIC STHBOLS
C 155 C2-28 DO YOU REFER TO THE AIR CORE SCHEMATIC STHBOLS PARTS, SUCH AS A MINDING.

C3-01 DO YOU USE OR REFER TO PERMANENT MAGNETS.

C1-02 DO YOU USE OR REFER TO TEMPORARY MAGNETS.

C3-03 DO YOU USE OR REFER TO RETENTIVITY OF MAGNETIC. OR REFER TO RELUCTANCE OF MAGNETIC C 170 C2-43 DO YOU REMOVE OR REPLACE 3 PHASE TRANSFORMER PCT MBRS ANSWRNG YES FOR 326X0/92 DAFSC GRPS TASK GROUP SUMMANY PERCENT MEMBERS PERFORMING USE C3-02 00 700 C3-03 00 700 C3-03 00 700 C3-03 00 700 C3-03 C3-03 C0 700 C3-03 C3-03 C0 700 C3-03 C3-03 C0 700 C3-03 C 00 400

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200 0.10 0.00 0	TASK GROUP SUMMARY PERCENT MENBERS PERFORMING								
200 DILIE DOD TOU USE OR REFER TO RESCHANT FREQUENCY WHEN 21 DILIE DOT TOU USE OR REFER TO RESCHANT FREQUENCY WHEN 22 DILIE DOT TOU USE OR REFER TO ALLE FORER POINTS WHEN 22 DILIE DOT TOU USE OR REFER TO TAKE CHECKITS 23 DILIE DOT TOU USE OR REFER TO TAKE CHECKITS 23 DILIE DOT TOU USE OR REFER TO TAKE CHECKITS 24 DILIE DOT TOU USE OR REFER TO TAKE CHECKITS 25 DILIE DOT TOU USE OR REFER TO TAKE CHECKITS 26 DILIE DOT TOU USE OR REFER TO TAKE CHECKITS WHEN WORKING 26 DILIE DOT TOU USE OR REFER TO TAKE CHECKITS WHEN WORKING 27 DILIE DOT TOU USE OR REFER TO TAKE CHECKITS 28 DILIE DOT TOU USE OR REFER TO TAKE CHECKITS WERE WORKING 28 DILIE DOT TOU USE OR REFER TO TAKE CHECKITS 28 DILIE DOT TOU USE OR REFER TO TAKE CHECKITS WERE WORKING 29 DILIE DOT TOU USE OR REFER TO TAKE CHECKITS WERE WORKING 29 DILIE DOT TOU USE OR REFER TO TAKE CHECKITS 20 DILIE DOT TOU USE OR REFER TO TAKE CHECKITS 20 DILIE DOT TOU USE OR REFER TO TAKE CHECKITS 20 DILIE DOT TOU USE OR REFER TO TAKE TO	0 y - 7 S x	SPC	5 PC	SPC 008	SPC 009				35
201 01-17 00 TOU USE OR RELET REPORTED FREEDONING WHEN 36 20 29 60 24 33 24 2 20 20 19 80 TOU USE OR RELET REPORTED FREEDONING SECONDING	DI-16 DO YOU USE OR PEFER TO RE		0	33	20	39	20		
202 0-10-18 00 TO TOU UNE OR REFER TO CARADRASS REGION WIEN 203 0-10-18 00 TOU UNE OR REFER TO CARADRASS REGION WIEN 203 0-10-18 00 TOU UNE OR REFER TO CARADRASS REGION WIEN 203 0-10-18 00 TOU UN USE OR REFER TO CARADRASS REGION WIEN 204 0-10-18 00 TOU UN USE OR REFER TO CARADRASS REGION WIEN 205 0-10-18 00 TOU UN USE OR REFER TO CARADRASS REGION WIEN 206 0-10-18 00 TOU UN USE OR REFER TO CARADRASS REGION WIEN 207 0-10-18 00 TOU UN USE OR REFER TO CARADRASS REGION WIEN 208 0-10-18 00 TOU UN USE OR REFER TO CARADRASS REGION WIEN 208 0-10-18 00 TOU UN USE OR REFER TO CARADRASS REGION WIEN 208 0-10-18 00 TOU UN USE OR REGION WIEN 209 0-18 00 TOU UN USE OR REGION WIEN 209 0-18 00 TOU UN USE OR REGION WIEN 209 0-18 00 TOU UN USE OR REGION WIEN 200 0-18 00 TOU UN USE OR REGION WIEN 200 0-18 00 TOU UN USE OR REGION WIEN 200 0-18 00 TOU UN USE OR REGION WIEN 200 0-18 00 TOU UN USE OR REGION WIEN 200 0-18 00 TOU UN USE OR REGION WIEN 200 0-18 00 TOU UN USE OR REGION WIEN 200 0-18 00 TOU UN USE OR REGION WIEN 200 0-18 00 TOU UN USE OR REGION WIEN 200 0-18 00 TOU UN USE OR REGION WIEN 200 0-18 00 TOU UN USE OR REGION WIENE 200 0-18 00 TOU UN	MORKING WITH RCL CIRCUITS.	28	20	5.6	30	•			п
203 0-179 0-170 0-120 0-	STATE ACT CLASSICS AND ACT CLASSICS ACT ACT CLASSICS ACT ACT CLASSICS ACT	36	50	5.6	9	2	33		10
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	204 01-20 00 YOU USE OR REFER TO T	9.	20	3 0	10	34	50		25
USIGG FORMULS: SINC OF AN ANGLE OPPOSITE SIDE 206 01-22 DO TOU GRAY UPICAGE COMPRATIONE FOR CAPACITIVE 19 20 19 09 9 0 9 0 0 0 0 0 0 0 0 0 0 0 0 0	WITH RCL CIRCUITS.	80	0	0.	0.1	*	33	7	92
VECTOR DIAGRANS FOR CIRCUITS. VECTOR	SOA MITZ NO YOU DRAW VOLTAGE FOR AN AN	æ	50	S	0	۰	0	•	21
	207 DI-23 DO YOU CALCULATE TOTAL THPEDANCE FOR	-	20	-	10	=	17		1
AND RESISTANCE IN CAPACITIVE CIRCUITS. 209 D1-25 D0 YOU CALCULATE TOTAL IMPEDANCE FOR SERIES RCL 210 D1-26 D0 YOU CALCULATE IMPEDANCE FOR SERIES RCL 211 D1-27 D0 YOU CALCULATE IMPEDANCE ROLES FOR SERIES BCL 212 D1-27 D0 YOU CALCULATE POWER FACTORS (PT) FOR SERIES BCL 213 D1-27 D0 YOU CALCULATE TRUE POWER FACTORS (PT) FOR SERIES BCL 214 D1-28 D0 YOU CALCULATE TRUE POWER FACTORS (PT) FOR SERIES BCL 215 D1-28 D0 YOU CALCULATE TRUE POWER FACTORS (PT) FOR SERIES BCL 216 CIRCUITS. 217 D1-28 D0 YOU CALCULATE TOTAL LUPEDANCE FOR PARALLEL RCL 218 D1-30 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 219 D1-31 D0 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 210 D1-32 D0 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 210 D1-32 D0 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 210 D1-33 D0 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 210 D1-33 D0 YOU CHECK CAPACITORS USING OMMETERS. 211 D1-34 D0 YOU CHECK CAPACITORS USING OMMETERS. 212 D1-35 D0 YOU CHECK CAPACITORS USING OMMETERS. 213 D1-35 D0 YOU CHECK TRUELTORS USING OMMETERS. 214 D1-35 D0 YOU CHECK TRUELTORS USING OMMETERS. 215 D1-35 D0 YOU CHECK TRUELTORS USING OMMETERS. 216 D1-34 D0 YOU CHECK TRUELTORS USING OMMETERS. 217 D1-35 D0 YOU CHECK TRUELTORS USING OMMETERS. 218 D1-35 D0 YOU CHECK TRUELTORS USING OMMETERS. 222 D1-36 D0 YOU USE OR REFER TO THE GENERAL RULE THAT 222 D1-36 D0 YOU USE OR REFER TO THE GENERAL RULE THAT 222 D1-36 D0 YOU USE OR REFER TO THE GENERAL RULE THAT 222 D1-36 D0 YOU USE OR REFER TO THE GENERAL RULE THAT 222 D1-36 D0 YOU USE OR REFER TO THE GENERAL RULE THAT 222 D1-36 D0 YOU USE OR REFER TO THE GENERAL RULE THAT 222 D1-36 D0 YOU USE OR REFER TO THE GENERAL RULE THAT 222 D1-36 D0 YOU USE OR REFER TO THE GENERAL RULE THAT 222 D1-36 D0 YOU USE OR REFER TO THE GENERAL RULE THAT 222 D1-36 D0 YOU USE OR REFER TO THE GENERAL RULE THAT 222 D1-36 D0 YOU USE OR REFER TO THE GENERAL RULE THAT 220 D1-37 D0 YOU USE OR REFER TO THE GENERAL RULE THAT 220 D1-37 D0 YOU USE OR REFER TO THE GENERAL RULE THAT 220 D1-37 D1-	CIRCUITS.	.0	0	s	01	01	٥	=	
CIRCUITS: CIRC	209 D1-25 DO YOU CALCULATE TOTAL IMPEDANCE FOR SERIES	-		=	01	01	0		
CIRCUITS: CIRC	210 01-26 DO YOU CALCULATE	•	0	0	2	٠	0		11
212 PRCL CIRCUITS. 213 01-28 00 YOU CALCULATE TRUE POMER FACTORS (PF) FOR SERIES 3 0 0 10 6 0 7 213 01-28 00 YOU CALCULATE POWER FACTORS (PF) FOR SERIES 3 0 0 10 6 0 7 213 01-20 00 YOU CALCULATE TOTAL CURRENT FOR PARALLEL RCL 11 20 10 10 9 0 9 219 01-30 00 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 8 20 5 10 9 0 9 215 01-31 00 TOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 8 20 5 10 9 0 9 215 01-31 00 TOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 8 20 5 10 9 0 9 216 01-32 00 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 11 20 10 10 11 0 13 217 01-33 00 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 11 20 10 10 11 0 13 218 01-35 00 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 11 20 10 10 10 0 0 0 0 0 0 0 0 0 0 0 0	211 01-27 DO TOU CALCULATE		0	0	-	۰	0	,	5
CIRCUITS. 214 01-24 00 VOU CALCULATE POWER FACTORS (PF) FOR SERIES 215 01-35 00 YOU CALCULATE TOTAL CURRENT FOR PARALLEL RCL 214 01-30 00 YOU CALCULATE TOTAL LUREDANCE ANGLES FOR PARALLEL RCL 215 01-31 00 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 216 01-32 00 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 217 01-32 00 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 217 01-33 00 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 218 01-35 00 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 218 01-35 00 YOU CHECK CAPACITORS USING OHMMETERS. 218 01-35 00 YOU CHECK CAPACITORS USING OHMMETERS. 220 01-35 00 YOU CHECK CAPACITORS USING OHMMETERS. 221 01-35 00 YOU CHECK CAPACITORS USING SUBSTITUTION. 222 01-35 00 YOU CHECK INDUCTORS USING SUBSTITUTION. 222 01-35 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 224 01-35 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 224 01-35 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 224 01-35 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 224 01-35 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 224 01-35 00 YOU CALCULATE. 225 01-36 00 YOU CALCULATE. 227 01-36 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 227 01-36 00 YOU CALCULATE. 227 01-36 00 YOU USE ON REFER TO THE GENERAL RULE THAT 227 01-36 00 YOU CALCULATE. 230 11 YOU CALCULATE. 240 00 YOU CA	RCL CIRCUITS. 212 DI-28 DO YOU CALCULATE TRUE PO.ER (PT) FOR SERIES	•	0	s	2	•	0	,	П
RCL CIRCUITS. 219 01-30 DOW YOU CALCULATE TOTAL CURRENT FOR PARALLEL RCL 215 01-31 00 YOU CALCULATE TOTAL LANGLES FOR PARALLEL RCL 215 01-31 00 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 216 01-32 00 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 217 01-33 00 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 218 01-33 00 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 218 01-33 00 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 218 01-33 00 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 218 01-35 00 YOU CHECK CAPACITORS USING OMMMETERS. 218 01-36 00 YOU CHECK CAPACITORS USING OMMMETERS. 220 01-36 00 YOU CHECK INDUCTORS USING SUBSTITUTION. 221 01-36 00 YOU CHECK INDUCTORS USING SUBSTITUTION. 222 01-36 00 YOU USE OR REFER TO THE GENERAL RULE THAT 222 01-36 00 YOU USE OR REFER TO THE GENERAL RULE THAT 223 01-36 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 224 01-36 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 224 01-36 00 YOU USE OR REFER TO THE GENERAL RULE THAT 225 01-36 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 227 01-36 00 YOU USE OR REFER TO THE GENERAL RULE THAT 228 01-36 00 YOU USE OR REFER TO THE GENERAL RULE THAT 229 01-36 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 229 01-36 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 227 01-36 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 228 01-36 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 229 01-36 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 220 01-36 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 227 01-36 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 228 01-36 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 229 01-36 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 229 01-36 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 220 01-37 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 220 01-37 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 220 01-37 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 220 01-37 00 YOU CALCULATE RESOMANT FREQUENCIES FOR RCL 230 01 10 10 10 10 YOU	CIRCUITS. 213 01-29 00 YOU CALCULATE	•	0	0	0.1	•	0		•
CIRCUITS. 215 D1-31 D0 TOU CALCULATE IMPEDANCE ANGLES FOR PARALLEL HCL R.C. 100 TOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL HCL R.C. 100 TOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL HCL 216 D1-32 D0 TOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 217 D1-33 D0 TOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 218 D1-39 D0 TOU CHECK CAPACITORS USING OMMMTERS. 218 D1-39 D0 TOU CHECK CAPACITORS USING OMMMTERS. 220 D1-36 D0 TOU CHECK INDUCTORS USING OMMMTERS. 221 D1-35 D0 TOU CHECK INDUCTORS USING OMMMTERS. 222 D1-36 D0 TOU CHECK INDUCTORS USING SUBSTITUTION. 222 D1-36 D0 TOU CALCULATE RESOMANT FOR RESOMANT CIRCUITS. 223 D1-36 D0 TOU CALCULATE RESOMANT FOR RULE THAT 224 D1-30 D0 TOU CALCULATE RESOMANT FOR RULE THAT 224 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 224 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 225 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 226 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 227 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 228 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 229 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 220 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 220 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 227 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 228 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 229 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 229 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 229 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 229 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 220 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 220 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 220 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 220 D1-40 D1 TOU USE OR THE TOUR THAT TO THE THAT THE TOUR THAT TO THE TOUR THAT	RCL CIRCUITS. 214 DI-30 DG YOU CALCULATE TOTAL CURRENT FOR PARALLEL	-		0	10	٠	٥	•	-
RCL CIRCUITS SELVE TOTAL IMPEDANCE FOR PARALLEL NCL 8 20 5 10 9 0 9	215 DI-31 DO TOU CALCULATE IMPEDANCE ANGLES FOR	•		S		•	0	•	5
CIRCUITS USING THE ASSUMED VOLTAGE METHOD. 217 D1-33 OO VOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 11 20 10 10 19 0 13 218 D1-39 OO VOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL 11 20 10 10 10 19 0 19 218 D1-39 OO VOU CHECK CAPACITORS USING CHMMETERS. 220 D1-38 OO TOU CHECK LADUCTORS USING CHMMETERS. 221 D1-35 DO TOU CHECK LADUCTORS USING CHMMETERS. 222 D1-38 DO TOU CHECK LADUCTORS USING SUBSTITUTION. 222 D1-38 DO TOU USE OR REFER TO THE GEMERAL RULE THAT 222 D1-39 OO TOU CALCULATE RESONANT FREQUENCIES FOR RCL 223 D1-39 OO TOU USE OR REFER TO THE GEMERAL RULE THAT 224 D1-39 OO TOU USE OR REFER TO THE GEMERAL RULE THAT 226 D1-39 OO TOU USE OR REFER TO THE GEMERAL RULE THAT 227 D1-39 OO TOU USE OR REFER TO THE GEMERAL RULE THAT 228 D1-39 OO TOU USE OR REFER TO THE GEMERAL RULE THAT 229 D1-39 OO TOU USE OR REFER TO THE GEMERAL RULE THAT 220 D1-39 OO TOU USE OR REFER TO THE GEMERAL RULE THAT 220 D1-39 OO TOU USE OR REFER TO THE GEMERAL RULE THAT 220 D1-39 OO TOU USE OR REFER TO THE GEMERAL RULE THAT 220 D1-39 OO TOU USE OR REFER TO THE GEMERAL RULE THAT 220 D1-39 OO TOU USE OR REFER TO THE GEMERAL RULE THAT 220 D1-39 OO TOU USE OR REFER TO THE GEMERAL RULE THAT 220 D1-39 OO TOU USE OR REFER TO THE GEMERAL RULE THAT 220 D1-39 OO TOU USE OR REFER TO THE GEMERAL RULE THAT 220 D1-30 OO TOU USE OR REFER TO THE GEMERAL RULE THAT 220 D1-30 OO TOU USE OR REFER TO THE GEMERAL RULE THAT 220 D1-30 OO TOU USE OR REFER TO THE GEMERAL RULE THAT 220 D1-30 OO TOU USE OR REFER TO THE GEMERAL RULE THAT 220 D1-30 OO TOU USE OR REFER TO THE GEMERAL RULE THAT 221 D1-30 OO TOU USE OO TOU USE OR RULE THAT 221 D1-30 OO TOU USE	216 DI-32 DO TOU CALCULATE TOTAL I	•		2	2	•	0	•	п
CIRCUITS USING OHM'S LAW. SING DHMMETERS. 64 60 57 80 47 50 47 50 47 50 47 50 70 CHECK CAPACITORS USING DHMMETERS. 54 60 19 40 29 33 31 52 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CIRCUITS USING THE ASSUMED VOLTAGE METHOD. 217 DI-33 DO YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL	=		10	01	=	0	2	21
210 D1-35 D0 TOU CHECK CAPACITORS USING SUBSTITUTION. 210 D1-35 D0 TOU CHECK CAPACITORS USING OHMMETERS. 221 D1-35 D0 TOU CHECK INDUCTORS USING OHMMETERS. 222 D1-36 D0 TOU CHECK INDUCTORS USING OHMMETERS. 222 D1-36 D0 TOU CHECK INDUCTORS USING SUBSTITUTION. 222 D1-36 D0 TOU CHECK INDUCTORS USING SUBSTITUTION. 223 D1-36 D0 TOU CHECK INDUCTORS USING SUBSTITUTION. 223 D1-36 D0 TOU CALCULATE RESONANT CIRCUITS. 224 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 225 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 25 D 29 30 21 17 18	CIRCUITS USING ONN'S LAW.	•			00	•	20	4.	• 1
220 Di-36 DO TOU CHECK INDUCTORS USING OHMMETERS. 221 DI-35 DO TOU CHECK INDUCTORS USING SUBSTITUTION. 222 DI-36 DO TOU CHECK INDUCTORS USING SUBSTITUTION. 222 DI-36 DO TOU CHECK INDUCTORS USING SUBSTITUTION. 223 DI-36 DO TOU CHECK INDUCTORS US SUBSTITUTION. 223 DI-36 DO TOU CALCULATE RESONANT FREQUENCIES FOR RCL. CIRCULITS. 224 DI-40 DO TOU USE OR REFER TO THE GENERAL RULE THAT 25 D 29 30 21 17 18	SIGNIESE OF TOU CHECK CAPACITORS	3			•	5.0	33	7	21
221 D1-37 D0 TOU CHECK INDUCTORS USING SUBSTITUTION. 222 D1-38 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 223 D1-38 D0 TOU USE OR RESONANT CIRCUITS. 223 D1-39 D0 TOU CALCULATE RESONANT FREQUENCIES FOR RCL. 224 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 224 D1-40 D0 TOU USE OR REFER TO THE GENERAL RULE THAT 25 D 29 30 21 17 18	220 DI-36 DO YOU CHECK INDUCTORS U	20			0 0	9	9	3 -	7.
223 D1-36 D0 T0U USE ON METER TO THE SECRET 18 0 14 20 11 0 11 223 D1-36 D0 T0U USE ON METER TESONANT CIRCUITS. 224 D1-40 D0 T0U USE ON METER TO THE GENERAL RULE THAT 25 0 29 30 21 17 18	221 DI-37 DO YOU CHECK INDUCTORS USIN	,		•	0	-		. ~	
THE GENERAL RULE THAT 25 0 29 30 21 17 18	223 DI-38 DO TOU CALCU, ATÉ RESONANT EREQUENCIES FOR	-			20	=	0	=	•
	-	7			30	7	11	•	75

	4	:	:	:	:	2	20	<u>•</u>	D 245 D3-07 DO TOU REMOVE OR REPLACE THE COMPLETE FILTER CIRCUIT.
	;	:	:						CIRCUITS.
	47	51	33	:	50	67	*0	58	244 D3-06 DO YOU
	47	53	L	50	70	67	20	•-	243 03-05 DO YOU
	26	1	EE	34	10	52	0	ננ	242 03-04 00 YOU
FILIERS	20	42	ı	37	50	38	20	39	241 03-03 00
1	1	5.8	1,	53	•		20	56	D 240 D3-02 DO YOU INSPECT FILTER CINCUITS.
				1					
	7.	:	50	63	50	7	1	6)	CONSER. IN CAMPORES THE SECOND TO A SECOND TO A
	-	•	33	-	20	10	0	11	D 238 D2-10 DO TOU USE OR REFER TO THE GENERAL MULE THAT
									COMPONENT VALUES REQUIRED FOR CIRCUIT CURRENT AND
	=	•	0	•	10	5	0	•	D 237 DZ-09 DO YOU USE EQUATIONS OR FORMULAS TO DETERMINE
	:		;	5	20	-	-	=	THE TIME REGULATED FOR CIRCUIT CURRENT OR CONFIDENT
	:		:		;				
	5		17	=	20	5	0	=	D 235 D2-07 DO YOU USE EQUATIONS OR FORMULAS TO DETERMINE
	u		c			7	c	-	D 234 D2-06 DO TOU USE OR REFER TO UNIVERSAL TIME CONSTANT
	,		,		;				
	42	-	3	26	10	33	0	22	0 233 DZ-05 DO YOU USE OR REFER TO THE GENERAL RULE THAT A
	21		0	=	ĵ o	-	0	11	D 232 DE-04 DO TOU WORK WITH, USE, OR REFER TO TRANSIENT
111111111111111111111111111111111111111									
(TIME CONSTANTS)	12	13	0		10	33	20	25	
SEKIES AND	47	20	Į	29	20	38	20	1	230 0
	0	,	33	40	30	38	20	20	D 229 D2-01 IN YOUR PRESENT JOBS DO YOU WORK WITH, USE, OR
	STREET, LABOR.	THE PERSON NAMED IN	THE NAME AND ADDRESS OF	Section of the second	Or other Designation	Name and Address of the Owner, where	STREET, STREET	Plenders Investment	
	12	=	17	-	30	5	0		D 228 DI-44 DO YOU DETERMINE HOW CHANGES IN FREQUENCY.
	16	7	17	10	20	19	0	17	D 227 DI-43 DO YOU USE OR REFER TO THE GENERAL RULE THAT
									HALF
	32	20	50	26	30	29	٥	25	D 224 DI-42 DO YOU USE OR REFER TO THE GENERAL RULE THAT
	2.	-1	17	17	30	19	20	22	D 225 DI-41 DO YOU USE OR REFER TO THE GENERAL RULE THAT
	0,5	210	110	010			007	004	DY-TSK
	SPC	SPC	SPC		SPC	245	SPC	SPC	

TASK GROUP SUMMARY PERCENT MEMBERS PERFORMING								
DY-15K	SPC 006	SPC 007	SPC 000	SPC 000	SPC	SPCS	SPC S	SPC 013
03-08 DO YOU REMOVE OR REPLACE COMPONENT PARTS OF	20	20	53	20	:	33	6.	37
03-09 DO YOU WORK ON LOW PASS FILTERS.	1	20	43	04		11	*	4.7
ON HIGH PASS	7	20	43	09	-	11	45	4.7
DO YOU WORK	*	20	÷3	09	36	17	40	32
DO YOU WORK ON DON'T REM	39	0	38	09	33	17		32
S DO YOU WORK	6 !	0	33	0	7 1	33		21
# 00 TOU #08*	36	20	33	20	36	1.1		4.7
DO TOU MORK WITH T-SECT!	33	20	58	20	33	11		37
WITH PI-SECT	52	0	58	30	27	1.1		2.0
DON. T R	28	20	4.3	0	27	33	31	91
FILTER CONFIGURATIONS. DJ-18 ARE PARALLEL RESONANT CIRCUITS USED IN FILTERS	31	0	33	ç	36	17	38	37
YOU WORK WITH. D3-19 ARE SERIES-PARALLEL CIRCUITS USED IN FILITINS	33	20	33	0	36	- 1		37
USED IN	Ē	0	33	0	36	1.1		37
	:	c	4	0,0	3.6	2		•
	3		2	2				
D3-22 DO YOU USE EQUATIONS OF FORMULAS TO DETERMINE	6	0	53	01	۰	3	=	S
EI-DI DO YOU WORK WITH COUPLING DEVICES ON YOUR PRESENT	19	0.9	67	20	57	33	5.8	63
1-02 DO YOU IDENTIFY ON SCHEMATIC DINGRAMS AND	9 9	9	29	0,	5.7	33	5.8	3
263 E1-03 DG YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE	95	0.9	6.2	0	•	3,3	15	47 COUPLING
TO THE ACTUAL CIRCUITAT THE COMPONENTS ASSOCIATED 264 E1-04 OF YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE	53	0,9	5.7	0	5	33		:
TO THE ACTUAL CIRCUITS' THE COMPONENTS ASSOCIATED FILES OF YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS	8	9.0	6.7	30	53	33	5.3	29
WHICH PERFORM THE RC COUPLING FUNCTIONS.		4	3	2	:	2		
WILLY PERFORM THE IMPEDIATE COUPLING FUNCTIONS.	: :		; ;	3	:	; ;		
WHICH PERFORM THE TRANSFORMER COUPLING FUNCTIONS.	?	2	7.0	2	:	3		
DIRECTL	47	•	23	30	53	33		••
~	20	₽	21	0	÷	33	:	
EI-10 DO TOU MORK WITH CAPACITIVE INDUCTIVE COUPLED	:	•	25	30	:	33	4.2	
WITH TRANSFO	4.7	0	52	0	6	33	:	• 3
		•	•			•		

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PCT MURS ANSWANG YES FOR 326x0/92 DAFSC GRPS

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND OSCILLOSCOPES MICROPHONES SPEAKERS 0000 0 0 6 6 8 00000000000 8 6 000000000 0000 210 0000 SPC 011 100 00 00 83 0000 000000000 2000 000000000 000 15 0-00000000 200 00 0000000 00-0 9 6 0 90 86 00 GPSHIB PAGE 5PC 009 80 00000000 0000 00000000000000 0 06 0 6 00000000 000 0 0 0 0 0 0 0 0 0 0 0 06 SPC 000 95 0 9.5 95 00 5PC 0000 00000000 0000 100 160 80 9 010000000000 900 0000 0 0 0 0 0 0 0 0 ---65 . 97 8 42 F 311 F2-05 DO YOU TROUBLESHOOT AS FAR AS CHECKING WIRE CONNECTIONS BUT DO NOT TROUBLESHOOT DOWN TO COMPONENT DO COMPONENT DO SOURCE PARTS
F 313 F2-05 DO YOU TROUBLESHOOT DOWN TO SPEAKER PARTS
F 314 F2-05 DO YOU PENDVE OR REPLACE SPEAKER PARTS
F 315 F2-07 DO YOU PERFORM ANY TASKS DO SPEAKER SPIDERS
F 316 F2-10 DO YOU PERFORM ANY TASKS DO SPEAKER POICE COILS
F 317 F2-11 DO YOU PERFORM ANY TASKS DO SPEAKER POICE COILS
F 318 F2-12 DO YOU PERFORM ANY TASKS DO SPEAKER POICE COILS
F 319 F2-13 DO YOU PERFORM ANY TASKS DO SPEAKER POICE COILS
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F 317 F2-15 DO YOU DESTORM ANY TASKS DO SPEAKER POICE POILS
F 317 F2-15 DO YOU USE OSCILLOSCOPES IN YOUR PRESENT JOB
F 317 F2-15 DO YOU USE OSCILLOSCOPES IN YOUR PRESENT JOB 16 F1-03 DO TOU CLEAN MICROPHONES
17 F1-04 DO TOU CLEAN MICROPHONES
18 F1-05 DO TOU OPERATE HICROPHONES
18 F1-05 DO TOU PROUBLESHOOT DOWN TO COMPONENT
CONNECTIONS UP TROUBLESHOOT DOWN TO MICROPHONE PARTS
20 F1-07 DO TOU REHOVE OR REPLACE CONPLETE MICROPHONES
21 F1-08 DO TOU PERFORM TASKS ON CARBON MICROPHONES
22 F1-10 DO TOU PERFORM TASKS ON CARBON MICROPHONES
23 F1-11 DO TOU PERFORM TASKS ON CAPACITOR MICROPHONES
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27 F1-11 DO TOU PERFORM TASKS ON CAPACITOR MAY TASKS DEALING MEASURING RESISTANCE 5 314 FI-01 IN YOUR PRESENT JOB: DO YOU PERFORM ANY TASKS DEALING USE OR REFER TO OTHER RELAT STABOLS SCHEMATIC F 345 F3-04 DO TOU USE OSCILLOSCOPES TO TROUBLESHOOT ELECTRONIC CHECKS CHECKS 534 F3-03 00 TOU USE OSCILLOSCOPES TO PERFORM ALIGNMENTS OR CHECK ELECTRICAL CONTINUITY OF COILS BY OSCILLOSCOPES TO MEASURE FREQUENCY OSCILLOSCOPES TO MEASURE TIME PCT MBRS ANSWRNG YES FOR 326X0/92 DAFSC GRPS YOU INSPECT MICHOPHONES DO TOU INSPE. SPECKERS DO TOU CLEAN SPEATERS DO TOU OPERATE SPEAKERS DY-TSK TASK GROUP SUMMARY PERCENT MEMBERS PERFORMING RELAYS WITH HICROPHONES 00 YOU USE F 328 F. F 329 F2-03 F 330 F2-04 00 CONNECTIONS BY CONNECTIONS BY CONNECTIONS BY SYMBOLS FOR STABOLS FOR STABOLS FOR ADJUSTMENTS C18CU175 00 F1-05 DO F1-06 315 F1-02 316 F1-03 317 F1-04 £3-06 F1-04 F1-12 319 F1-06 320 F1-07 322 F1-09 323 F1-10 324 F1-12 325 F1-13 F1-08 F1-10 11-13 318 347

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PCT MBRS ANSWRNG YES FOR 326x0/92 DAFSC GRPS

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

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PCT HERS ANSWENG YES FOR 326X0/42 DAFSC GRPS

PERCENT MEMBERS PERFORMING

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07-15	63-21 DO YOU CALCULATE THE CURRENT GAIN FOR SPECIFIC	TRANSISTORS USING A FORMU	G3-22 DO YOU CALCULATE THE POWER GAIN FOR A SPECIFIC	G3-23 DO YOU WEED TO KNOW THAT HORE COLLECTOR CURRENT IS	GENERATED WITH LESS COLLECTOR VOLTAGE AS TEMPERATURE	SU-25 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND	THE ACTUAL CIRCUITRY THE	DO YOU IDENTIFY ON S						THE ACTUAL CIRCULTRY THE G3-28 DO YOU IDENTIFY ON S G3-29 DO YOU IDENTIFY ON S G3-29 DO YOU IDENTIFY ON S THE ACTUAL CIRCULTRY THE	THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED 3-28 DD YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED 3-29 DD YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED 3-30 DD YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND	THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED G3-28 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED G3-29 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED 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TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

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TASK GROUP SUHMARY PERCENT MEMBERS PERFORMING								
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466 63-39 DO YOU IDENTIFY FREQUENCY DISTURTION FOR TRANSISTOR	33	20	38	30	*	33	33 37	
CIRCUITS G3-40 DO YOU IDENTIFY PHASE DISTORTION FOR TRANSISTOR	33	20	38	30	62	33	27 32	
CIRCUITS GO YOU TROUBLESHOOT TRANSISTOR CIRCUITS TO FIND THE	33	20	38	30	27	33	27 26	
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TOU TROUBLESHOOT OR REPAIR	36	20	38	0	33			
CIRCUITS G3-48 DO 700 TROUBLESHOOT OR REPAIR COMPOUND-CONNECTED	36	20	38	0	39	33	36 47	
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DO YOU ALIEN OR ADJUST POWER	* 0	100	001	00				POWER SUPPLIES
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OSCILLATORS	WHICH TYPE OF FOO	F00	F00	CIRCUITS AS	13-18	7		5		-			H3-10	H3-09	H3-08	H3-07		H3-05	H3-04	H3-03		H-0	FILTER WITH	REMEMBER WHICH TYPE OF FILTER	H2-28 DO	HZ-ZY DO	2-26 DO YOU WORK WIT	H2-25 DO YOU WORK WIT	HZ-24 00	FILTERS	FILTERS	27-7H	H2-21	20		
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GPSMIB PAGE 22

PCT MBRS ANSWRNG YES FOR 326X0/92 DAFSC GRPS

PERCENT HENBERS PERFORMING

	PERCENT READENS PERTORING									
	D1-15k		SPC 000	SPC 007	200	S 540	SPC S 010	SPC SF	SPC SPC 012 013	
H3-23 00 70U	TITH SHUNT HA	RILEY SINUSOIDAL OSCILLATORS	-	•	5.6		20		-	
000	WITH COLPITS	SINUSOIDAL OSCILLATORS	-	9 0	29	90		11	9 7	
43-26 po YGU	S HE SULLER	TEUSOLDAL OSCILLATORS	: =	20					•	
H3-27 DG YOU	TITH DON'T RE	MEMBER WHICH TYPE OF	33	0	, n				36	
OSCILLATORS							-	-	1	
	MORK ALTH HULTIVIBR	PATORS IN YOUR PRESENT JOB	95 d	0 0	57	20	19	200	60 58	
11-03 00 700	AND TABLE AND AND TABLE	STATES OF THE OWNER OF THE OWNER OF THE OWNER OW		80	00					
CIRCUITS										MULTIVIBRATORS
DO Y 00	CALIBRATE WAVE GENE		7	0.8	43	30		, 09		
11-05 00 700	ROUBLESHOOT TO WAY	GENERATI	26	80	25		1 9		62 53	
5*4 11-06 00 You T	11-06 DO YOU TROUBLESHOOT TO MAY	E GENERALING OR SHAPING	4.7	80		30	57	83	56 53	
CIRCUIT COMPONENTS		,			:	:				
a not be to-il see	REPLACE	COMPLETE WAVE GENERATING ON	95	9	23	20	*	2	26 42	
546 11-68 00 YOU MEHOVE OF	REPLACE	MAVE GENERATING OR SHAPING	39	0.9	38	30	4.7	83	** 42	
S47 11-09 DO YOU W	:	MAT OF MISTINGS HOLHER AGOT.	11	•	11	30	C.	9	40 17	
			:			:				
CO	*ORK WITH HULTIVIBE	ATORS WHICH CONTAIN RC	ā	0	62	30	:	05	44 47	
100	WORK BITH HULTIVISR	ATORS WHICH CONTAIN	28	20	5.0	30	-	20	42 37	
SEC 11-12 OF YOU -	9.10.1	10000	36	20	2.0	5	16		41 66	
REMEMBER THE	CH TYPE OF FDD		•	?		2	:			
00 400	1	HULTIVIBRATORS	53	0	25	0	57		53 58	
00 101		HOWOSTABLE HULTIVIBRATORS	20	0	25	9	24			
1-19 00 40-11	MORE WITH BISTABLE	TOTAL TANKE TANKE	e -	200	7 0	2 0			13 -6	
MULTIVIBRATO	1		•	2	?	2				
555 12-01 00 TCU .	WORK WITH LIMITERS	OR CLAMPERS IN YOUR	95	09	57	50	9.6	1.	44 42	
PRESENT JOB	200	200	:	•	,	•	:			
17-71 00 100	TITE CALLEY O.	201 1111 101								CIALIERS AND
12-04 00 400	2011	TATE OF THE PARK	=		**	2 0	22			
12-05 00 YOU	THE ZENER DI	OPE LINITERS			52	0			10 37	
12-00 00 You	TRANSTER	Series of the se	:							
12-07 00 700	T. NOO HILL	KADE BEICH TYPE OF LINITERS	=			9 0	13	33		
12-04 00 700	WITH BASIC DI	ODE CLAMPING CIRCUITS	:	20	25	40	30			
12-09 00 100	THE DIODE CL	ALPING CIRCUTS RITH BIAS	30	20	5	0	26		7	
12-10 00 700	#17H DON'T KN	OW WHICH TYPE OF CLAMPING	-	20	•	01	•	20		S
CIRC	37	TOTAL STREET	-		-	The same of the same of				THE RESIDENCE OF THE PROPERTY
Ses Is-DI IN TOUR	AINS FLECTRON TURES	OU WORK ON EQUIPMENT WHICH	=	ь	:	0	0	0	2	
566 13-02 DO TOU C	CHECK ELECTRON TUBES	S TO SEE IF THEY ARE GOOD	-	0	-	20	•	0	6	0

0	•	0	a			0		REQUIRED FOR CUTOFF 13-33 OD YOU USE CHARACTERISTIC CURVES TO SELECT BIAS REQUIRED FOR SATURATION	1 597	
0	•	0	0	0	0	0		13-32 00	1 596	
0	0	•	0	0	0	0		13-31 00 700	1 595	
•	0	0	0		0	0		13-30 00 700	1 594	
0	•	•	0	0	0	0		-	1 593	
0		c	u		0	ū		RESISTANCE OR PEFER TO E	1 542	
0	0	6	0	0	0	0		CALLED AC PLATE RESISTANCE	1 591	
0	0		0	0	0	0		13-26 0	1 590	
•	0	0	0		0	0		13-25 OF THE TOTAL ACTUAL VALUES OF ELECTRON TUBE	1 504	
0	0	0	0	0	0	0		ETC) AMPLIFICATION FAC	1 588	
0	2	0	_	0	0 0	0		13-23	1 587	
•	0	0	0	٥	0	0		AMPLIFICATION	1 586	
0		0	u		9	_	V,		1 585	
	~ 4	0 0		~ -				13-20 DO YOU USE OR REFER TO	5 6 6	
		00						13-18 DO YOU USE OR REFER TO	1 582	
•	•	0	7 .				-	13-17 DO YOU USE OR REFER TO	5.0	
0 5	~ •	00	- 7	20				13-15 DO YOU USE OR REFER TO PLATE CURRENT	1 580	
•	c	c				•		RESISTANCE FOR ELECTRON TUBE		
	0	0	0					13-13 DO YOU USE OR REFER TO DC PLATE	1 577	
0	2	0						13-12 DO YOU USE OR REFER TO	1 576	
	• 0		. 0		5			13-11 00 YOU USE OR REFER TO	1 574	
00	۰.	00	0	500				13-04 DO TOU USE OR REFER TO	1 573	
0.0	~=	00					• •	13-07 DO YOU USE OR REFER TO CUTOFF	1 571	
							-	13-05 DO YOU USE SCOPES TO CHECK ELECTRON TUBES	1 569	
0.0	N .	00		20				13-03 DO YOU USE TUBE TESTERS TO	1 567	
013 SPC	012 SPC	SPC	570	500	5 SPC	SPC	900	DY-TSK		
								PERCENT MENBERS PERFORMING	PERC	
AIR FORCE SYSTEMS COMMAND	AF HC		E 24	8 PAGE	6PSH18			MBRS AMSURAG YES FOR 326X0/92 DAFSC GRPS	PCT M	

TASK GROUP SUHMARY PERCENT MEMBERS PERFORMING							
0y=15K	S 245	SPC SPC 0007 008	2600	010	210	500	5 pc
598 13-34 DO TOU USE OR REFER TO ELECTRON TUBE AMPLIFIER GAIN 599 13-35 DO YOU USE ON REFER TO ELECTRON TUBE AMPLIFIER	c 4	00	5 20	70	00	• 0	9.5
	~	0	0 10	-	0	7	0
TOBE ANTLIFIER GAIN 601 13-37 DO YOU USE MULTIMETERS TO DETERMINE ELECTRON TUBE	•	0	0 20	-	0	2	0
602 13-38 DO YOU USE OSCILLOSCOPES TO DETERMINE ELECTRON TUBE	•	0	2 10	3	0	•	0
603 13-39 DO YOU USE CHARACTERISTIC CURVES TO DETERMINE	3	0	01 0	-	0	2	o
504 13-40 DO YOU CALCULATE ANY ELECTRON TUBE CAPACITANCES SUCH	~	o	-	c	c	c	c
AS INPUT CAPACITANCE	,	,			•	•	o.
605 13-41 DO YOU USE OR REFER TO TUBE SOCKET NOTATION	œ <u>:</u>	0 0		-	0	2	.01
3-43 DO YOU USE OR REFER TO T	- ~		0 0 0	2 6	9 9	2 =	n 0
RATURE OF THE EMI	•	0	0	•	a	2	•
SUCH AS MANUALS OR CHARTS	-	-			and the same of th		
JI TOUR PRESENT JOB	=	0	0 20	•	0	•	0
610 JI-02 DO TOU DETERNINE THE CLASS OF OPERATION FOR ELECTRON TOBE AMPLIFIERS IN ORDER TO TROUBLESMOOT AMPLIFIER	•	0	2 10	-	•	0	S ELECTRON TUBE
JI-03 DO YOU TROUBLESHOOT OR REPAIR PARAPHASE	•		-	3	0		1
OR REPAIR	80	0	01 0	•	0	•	٥
ATPLIFIERS	n			-	0	2	0
SIT JITUS DO TOU TROUBLESHOOT OR REPAIR CASCADE CONNECTED AMPLIFIERS	•	0	0 0	-	0	~	0
DI-07 DG TOU TROUBLESHOOT OR REPAIR DON'T KNOW IN	0	0	0	-	0	2	0
J 616 JZ-31 DO YOU'NORK MITH GAS TUBES (HOT CATHODE OR COLD)	0	5 0	9	0	•	O O
J 617 JZ-DZ DOUGE J 617 JZ-DZ DO TOU WORK WITH CATHODE-RAY TUBES J 618 JZ-DZ DO YOU USE OR REFER TO THE CHARACTERISTICS OF BEAM	• 0	00		۰.0	0 0	==	SPECIAL PURPOSE
DOWER TUBES	•		-				D ELECTRON TUBES
POWER TUBES ARE USED 620 JZ-05 DO YOU USE OR REFER TO THE CHARACTERISTICS OF		0	0		•	0	0
THTRAIRDAS 621 J2-36 DO TOU TROUBLESHOOT OR REPAIR CIRCUITS IN MHICH	0	0	0	0	0	0	0
-	0	0			•		0
ELECTRON GUNS OF CATHODE-RAY TUBES (CRT) 423 J2-08 DO YOU USE OR REFER TO THE PRINCIPLES OF OPERATION OF ELECTRONAGNETIC DEFLECTION SYSTEMS OF CATHODE-RAY TUBES	٥	0	0	•	0	•	0

DY-TSK USE OR REFER TO THE PRINCIPLES OF OPERIUSE OR REFER TO PHOSPHOR SCREENS USE OR REFER TO DECAY TIMES USE OR REFER TO THE HETEROPNING OF STERRORY TASKS ON FREQUENCY CONVERTERS PERFORM TASKS ON REACTIVE SYSTEMS UNSPECT AN TRANSHIT OR RECEIVE SYSTEMS ALIGN OR ADJUST AN TRANSHIT OR RECEIVE TROUBLESHOOT TO AN TRANSHIT	TYOUR TYOUR TYOUR SYSTEMS	SPC 0006 ATION OF 0 BES 000 000 000 000 000 114 117 GNALS 8 5 YSTENS 114 5 YSTENS 114 8 SYSTENS 115 8 SYSTENS 11	SPC SPC 0006 007 0006 007 0006 007 0 0 0 0 0 0	SPC SPC SPC OOF COOK	SPC SPC SPC SPC SPC SPC SPC OOA OOA OOA OOA OOA OOA OOA OOA OO OO O	SPC	SPC	SPC	SPC	SPC
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TASK GROUP SUHHARY Percent nembers performing							
S 0 0 0 0	SPC S 006 0	SPC SPC 007 008	SPC 8	SPC 010	SPC 011	SPC SP 012 01	25
KI-24 DO YOU USE OR REFER TO CO-CHANNEL INTERFERENCE NETS OF YOU USE OR REFER TO I HAKE FREQUENCIES IN RECEIVERS	00	00	00		17	00	00
TOU USE OR REFER TO SI	0	0		-	-1	0	0
IMAGE REJECTION RATIOS KI-27 DO TOU TRACE SIGNALS OR CURRENT PATHS THROUGH AM	*	0	4 20	*	11	2	•
- ~	40	0	0	*	1.	7	ıs
KZ-UI DO YOU -ORK HITH FM TRANSMIT OR RECEIVE SYSTEMS IN	8	0	01 0	+	33	3	0
SMIT OR RECEIVE SYST	œ	-	-	~	17	2	0
DO YOU CLEAN ON TRANSMIT ON RECEIVE SY			-	•		7	O FM SYSTEMS
DO TOU ALIGN FM TRANSMIT OR	. ~	0	9	•	1.1	2	0
YOU TROUBLESHOOT TO FM TRANSMIT O	æ	-	-	٣	11	~	0
STSTEMS RE-SE DO YOU TROUBLESHOOT TO FH TRANSMIT OR RECEIVE	0	0	0	۳	11	~	0
COMPONENTS AZ=07 DO TOU REMOVE OR REPLACE FM TRANSMIT OR RECEIVE	æ	0	01 0	-	1.1	0	0
STSTEMS KZ-08 DO TOU REMOVE OR REPLACE FM TRANSMIT OR RECEIVE	0	0	0	~	11	7	0
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AMPLIFIERS)	4	-		*	33	2	C
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O TOU PERFORM TASKS ON IF	•	0 0			25	,	
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	*	50 4	3 60	1.	67	7.8	8.
(BASE 81 NUMBERS K3-02 DO TOU CONVERT DECIMAL NUMBERS TO BINARY (BASE 2)	-	0,	62 70	19	67	9.6	NI MBFB INC
NUMBERS MUMBERS MUMBERS MUMBERS MUMBERS	50		•	7.4	67	7.1	SYSTEMS
YOU CONVERT OCTAL NUMBERS TO BEHARY A	23		52 60		6.7		7.0
DO TOU CONVERT BINARY NUMBERS TO	* 9			1	83	_	
DO YOU CONVERT BINARY NUMBERS TO OCTAL ME	53			-	6.7		***
DO YOU ADD BINARY NUMBERS TO GET A SUM	5.8		57 60	•	50	5	•
SUBRRACT BINARY NUM	41			29	20	26	
CARRY RETION CLRIMANT ALMARY NUMBERS USING THE DIRECT	5			6.3		9	

	3	נ	67	<i>a</i>	20	~	40	25	TIS LEVEL TO COMPUTE SUM AND CARRY EXPRESSIONS FOR SERIAL MALF OR FULL ADDER LOGIC DIAGRAMS
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	53	31	50	39	ó	29	20	<u>.</u>	L 715 LZ-08 DO TOU USE OR REFER TO LOGIC SYMBOLS FOR DIRECT
	•	ננ	50	39	ő	4 3	60	:	L 214 L2-07 DO YOU AMALYZE LOGIC CIRCUITS BY USING BOOLEAN
	47	36	50	40	ó	38	60	42	L 713 L2-C6 DO YOU DEVELOP OR ANALYZE BOOLEAN EQUATIONS IN THE
	7	•	8	67	đ	52	80	53	712 LZ-05 DO TOU MEASURE INPUTS OR OUTPUTS OF LOGIC GATES
	42	3.	17	33	30	29	60	3 3	TII LZ-04 DO YOU DRAW LOGIC DIAGRAMS FROM GIVEN BOOLEAN
EQUALLONS	21	=	0	17	20	10	0	=	L 710 LZ-03 00 YOU CONSTRUCT TRUTH TABLES FOR CURRENT MODE LOGIC
BOOLEAN	•	•	;	ų	90	7			
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	97	27	50	34	40	19	0	28	L 708 LZ-01 IN YOUR PRESENT JOB! DO YOU PERFORM ANY TASKS
	•	:	100	90	70	•0		8	L 707 L-13 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR EXCLUSIVE
	100	•	100	.0	80	90	80	8	LI-12 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR
	00	9 -	100	94	80	90	80	63	LI-11 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR OR GATE
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	89	78	100	ON Lu	60	57	90	6.	L 701 K1-07 DO YOU USE OR REFER TO TRUTH TABLES FOR OR LOGIC SYMBOLS OR GATES
		;	2						SYMBOLS OR GATES
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	Ĉ	60	50	60	50	57	80	5	L 698 LI-04 DO YOU CONSTRUCT TRUTH TABLES FOR AND OR OR LOGIC
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		k	-	-	5	3			K3-10 DO YOU ADO OSTAL MUNESES TO SET A SUM
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									PERCENT MEMBERS PERFORMING
AIR FORCE SYSTEMS COMMAND	RFORC	> 1		28	PAGE	GPSMIB	6		PCT MBRS ANSWRNG YES FOR 326X0/92 DAFSC GRPS
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AT HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND COUNTERS 1. 2 4 6 4 4 + * * 2 9 2 8 9 4 GPSMIE PAGE 0 + 0 0 0 6,7 ? SPC 000 ---2 4 SPC 007 4 4 4 4 4 4 5 0 5 ---* 9 L 733 L3-01 00 700 WORK WITH DIGITAL COUNTERS IN YOUR PRESENT JOB L3-02 00 700 WORK WITH DIGITAL COUNTERS L3-03 00 700 USE OR REFER TO DP-COUNTERS L735 L3-03 00 700 USE OR REFER TO DP-COUNTERS L735 L3-04 00 700 USE OR REFER TO SEALC COUNTERS L735 L3-05 00 700 USE OR REFER TO PARALLEL COUNTERS L736 L3-05 00 700 USE OR REFER TO DECADE COUNTERS L740 L3-05 00 700 USE OR REFER TO COUNT DETECT CIRCUITS L740 L3-07 00 TOU USE OR REFER TO DP-COCKS L741 L3-07 00 TOU USE OR REFER TO UP CLOCKS L741 L3-07 00 TOU USE OR REFER TO UP CLOCKS L743 L3-11 00 700 USE OR REFER TO UP CLOCKS L743 L3-11 00 700 USE OR REFER TO UP CLOCKS L741 L3-12 DO 700 USE OR REFER TO UP CLOCKS L741 L3-12 DO 700 TOU USE OR REFER TO UP CLOCKS L741 L3-12 DO 700 TOU USE OR REFER TO UP CLOCK CONPLENS WING COMPLERS MAYING COMPLENS WAYING TO TAKE TO TAKE TO THE THROUGH LOGIC DIAGRAMS OF L745 L3-13 DO 700 TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF L2-22 DO YOU MEASURE OUTPUT "AVESMAPES OF LOGIC CIRCUITS L2-23 DO YOU TRACE DATA FLOW THROUGH COMPLEMENTED FLIP-FLOP LOGIC DIAGRAMS

L2=13 DO TOU MORK WITH ASTABLE (FREE RUNNING)

HULTIVIBRATORS

L2=14 DO TOU WORK WITH BISTABLE (FLIP-FLOP) MULTIVIBRATORS

L2=15 DO TOU WORK WITH HONOSTABLE (ONE-SHOT) DO YOU USE OR REFER TO COMPLEMENTING FLIP-FLOP LOGIC 719 LZ-12 DO YOU TRACE DATA FLOW THROUGH PARALLEL FULL ADDER LOGIC DIAGRAMS SCHEMATIC DIAGRAMS

L 731 L2-24 DO YOU TRACE DATA FLOW THROUGH COMPLEMENTING FLIPFLOP SCHEMATIC DIAGRAMS
L 732 L2-25 DO YOU CONSTRUCT TRUTH TABLES FOR J-K FLIP-FLOP SYMBOLS

2-18 DO YOU USE OR REFER TO FLIPFILOP CIRCUIT DIAGRANS

12-19 DO YOU USE OR REFER TO FLIPFILOP TRUTH TABLES

12-20 DO YOU USE OR REFER TO COMPLEMENTED FLIPFILOP

10-21 DO YOU USE OR REFER TO COMPLEMENTED FLIPFILOP SERIAL UP-COUNTERS FEEDING A PARALLEL STORAGE REGISTER L3-16 DO YOU TRACE DATA FLOW THROUGH LIGIC DIAGRAMS OF L 746 L3-14 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF MULTIVIBRATORS

L2-16 DO YOU USE OR REFER TO FLIP-FLOP MULTIVIBRATOR PCT MBRS ANSWRNG YES FOR 326X0/92 DAFSC GRPS TASK GROUP SUMHARY PERCENT HEMBERS PERFORMING SHIFT REGISTERS DECADE COUNTERS RING COUNTERS SYMBOLS SYMBOLS 1 724

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PCT MBRS ANSWRNG YES FOR 326X0/92 DAFSC GRPS

PERCENT MEMBERS PERFORMING

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TASK GROUP SUMMARY PERCENT HEMBERS PERFORMING DY=TSK DY=TSK 775 M2-07 DO YOU USE AUDIO NON-SINUSOIDAL WAVE GENERATORS SUCH 56 007 776 M2-08 OO YOU USE REGERATORS LESS THAN I OO MH 777 M2-09 DO YOU USE REGERATORS GREATER THAN I OO MH 64 20 778 M2-10 DO YOU USE OTHER SPECIAL PURPOSE OR MULTI-FUNCTION 67 M3-10 TO YOU USE OTHER SPECIAL PURPOSE OR MULTI-FUNCTION 67 M3-01 IN YOUR PRESENT JOB: DO YOU PERFORM ANY TASKS DEALING 780 M3-02 DO YOU LISAR OR DIRECT CURRENT MOTORS OR 780 M3-02 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-02 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-03 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-03 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-03 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-03 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-03 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-03 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-03 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-03 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-03 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-03 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-03 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-03 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-03 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-04 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-04 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-05 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-05 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-05 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-05 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-05 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-05 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-05 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR 780 M3-05 DO YOU LISAR OR LIBERATE CORRENT MOTORS OR LIBERATE CORRENT MOTO					
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DO TOU INSPECT MOTORS					
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COLOR CENTER OF LOCAL PROPERTY AND COLOR C					GENERATORS
And Total Manager and Total And Tota		2 2 2		20 20	
DO TOU REMOVE OR REFLACE MOTOR PARTS					
DO TOU TROUBLESHOOT AS FAR AS CHECKING WIRE	20 43	50	205	49 32	2
ECTIONS OF MOTORS					
DO TOU TROUBLESHOOT DOWN TO	-	10	17	13 16	•
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STANDER NO CANAL MA ESCRETA DOVICE		0 0	o c		ك د
DO YOU PERFORM ANY TAKKS ON STITE STAGES		•	•		
DO YOU PERFORM ANY TASKS ON COMMUTATORS			0		
S ON POLE PIECES		10	0	^	0
ASURE THE MAGNITUDE OF THE 3		0	17	7	0
E OF TORQUE CREATED BY A MOTOR					
MECHANICAL FORCE OR TOROUE CREATED BY A MOTOR	•	0	33	=	
TATELES DO YOU DETERMINE OR HEASURE THE MACHITUDE	9 0	0	20	2	
VOLTAGE IN HOTORS					
DO TOU WORK WITH STACHOUS MOTORS				29 21	
DO YOU WORK WITH INDUCTION MOTORS				31 2	
DO TOU WORK WITH SPLIT-PHASE HOTORS		10 21	5	22 14	
DO TOU WORK WITH SOME CONSINATION OF THE ABOVE MOTORS 36				33 16	
DO TOU INSPECT GENERATORS 19		30 21	20	20 16	
DO YOU CLEAM OF LUBRICATE GENERATORS	-	20 16		•	•
DO TOU OPERATE GENERATORS 22		30 23		22	
REPLACE COMPLETE GENERATORS 22	•-			•	•
DO TOU RENOVE OR REPLACE GENERATOR	01			2	
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M3-29 DO YOU TROUBLESHOOT DOWN TO COMPONENT PARTS OF B	01 0	10 1	20	.3	
IN YOUR PRESENT JOB	••	18 08	100	••	
NI-02 DO TOU CONCEPTUALIZE OF CONSIDER THE FUNCTIONS OF	•	•		13 21	1 NETER MOVEMENTS
MI-03 DO TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF	•	10 17	11	14 21	

836 H3-03 DO TOU	J08	834 M3-01 60 700	TOU	N 832 HZ-15 DO YOU USE OR	SATURABLE REACTORS	N 830 NZ-13 DO TOU USE OR	N 829 N2-12 DO TOU I	N 828 NZ-11 DO YOU	N 627 N2-10 DO TOU	N 826 N2-09 DO TOU	825 NZ-08 DO YOU	N 824 N2-07 DO YOU REMOVE	N 823 NZ-06 DO YOU REMOVE	00	400	100	BIS NZ-02 DO YOU I	N 818 MZ-01 DO YOU .	1 817 WI-10 DO TOU L	00 YOU	15 NI-08 DO YOU	614 X1-07 DO TOU E	N1-05 00 YOU	00 00 VOL CO		PERCENT HEMBERS PER	PCT HBRS ANSWRNG TES
USE OR REFER TO PULSE WIDTH (PM)	TEST OF DESTEND TO TOURSENT INTERVALS	TOU HORK WITH WAVESHAPING CIRCUITS IN YOUR PRESENT	USE OR REFER TO SATURABLE REACTOR SCHEMATIC	USE OR REFER TO POINT OF SATURATION IN		USE OR REFER TO RESIDUAL MAGNETISM IN	NAMEFORMS FOR MAGNETIC AMPLIFIERS	INTERPRET SCHEMATIC DRAWINGS TO DEVELOP OUTPUT	ACROSS REACTOR	TOU INTERPRET SCHEMATIC DRAWINGS TO DEVELOP OUTPUT		SATURABLE REACTORS NO. TOU REMOVE OR REPLACE MAGNETIC AMPLIFIER OR	REMOVE OF REPLACE HAGNETIC AMPLIFIERS OR	TROUBLESHOOT HAGNETIC AMPLIFIERS OR SATURABLE	ADJUST HAGNETIC AMPLIFIERS OR SATURABLE		NºON DO YOU INSPECT NAGMETIC ANDITIERS ON SATURABLE	m	USE OR REFER TO VOLTHETER SENSITIVITY	EXTEND THE RANGE OF VOLTHETERS	ZERO ATHETERS	EXTEND THE NAMES OF ARRETERS	AD METER SCALES	CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF	DY-13K	PERFORMING	S FOR 326X0/42 DAFSC GRPS
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CIRCUITS	LAVICCUADING															AND MAGNETIC AMPLIFIERS	SATURABLE REACTORS										

AIR FORCE SYSTEMS COMMAND SINGLE SIDEBAND SYSTEMS 0000 0 0 0 0 3.1 V 333 33 33 33 200 53 . . PAGE 000 0000 0 0 0 00000000000000 20 GPSMIB 0050 * * = 0 . . . 0 52 53 0000000000000 0 0 000 20 200 0000 0 52 C 00 40 10 000 9 . 25 1 4 6 556 839 N3-06 DO TOU USE OR REFER TO DIFFERENTIATING CIRCUITS
840 N3-07 DO TOU USE OR REFER TO INTEGRATING CIRCUITS
841 N3-08 DO TOU USE OR REFER TO INTEGRATING CIRCUITS
CONSTANTS (TC) AS LONG, WEDIUM, OR SHORT
642 N3-09 DO TOU DETERMINE WHETHER AN LR OR RC CIRCUIT IS
DIFFERENTATING OR INTEGRATING BASED ON THE TIME CONSTANT
643 N3-10 DO TOU WORK WITH RECTANGULAR WAVE GENERATORS
844 N3-11 DO TOU WORK WITH RECTANGULAR WAVE GENERATORS
845 DI-COLD DO TOU WORK WITH RECTANGULAR WAVE GENERATORS
845 DI-COLD DO TOU WORK WITH RECTANGULAR WAVE GENERATORS 558 RF AMPLIFIERS
FREGUENCY CONVERTERS
IF AMPLIFIERS
DEMODULATORS
DON'T REMEMBER WHICH 6 REFER TO PULSE RECURRENCE FREQUENCY AUDIO AMPLIFIERS
BALANCED MODULATORS
CARRIER OSCILLATORS
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OSCILLATORS HICK OR REPLACE SSB TRANSMIT OR RECEIVE REMOVE OR REPLACE SSB TRANSHIT OR RECEIVE BANDWIDTH FILTERS 01-28 DO TOU CALCULATE PEAK POMER OR EFFECTIVE POWER TRANSMITTERS INSPECT 558 TRANSMIT OR RECEIVE SYSTEMS CLEAN 558 TRANSMIT OR RECEIVE SYSTEMS ALIGM 558 TRANSMIT OR RECEIVE SYSTEMS TROUBLESHOOT TO 558 TRANSMIT OR RECEIVE 01-06 DO YOU TROUBLESHOOT TO SSB TRANSMIT OR RECEIVE DRIVERS POWER AMPLIFIERS REFER TO SCLECTIVE FADING
REFER TO PER PORT
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REFER TO RESPONSE CURVES FOR FOR 326X0/92 DAFSC GRPS DO TOU PERFORM TASKS
DO TOU PERFORM TASKS
DO TOU PERFORM TASKS TASK GROUP SUHMARY PERCENT MEMBERS PERFORMING 1120 PO YOU PERFORM OF YOU PERFORM O 80 COMPONENTS USE PCT MBRS ANSWRAG TES 000 400 100 SYSTEMS 01-08 DO YOU PRESENT 01-02 00 SYSTEMS 0-10 01-12 10-10 01-18 0 0 0 d 950 158 852 871 2 2 0 0 0 0 0000

O1-29 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH SSB 11 0 O1-30 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH SSB 11 0 O1-30 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH SSB 11 0 O2-02 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH SSB 11 0 O2-02 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH SSB 8 0 O2-03 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH SSB 8 10 O2-03 DO YOU TRAUGHESHOOT TO PULSE HODULATION SYSTEMS O2-03 DO YOU TRAUGHESHOOT TO PULSE HODULATION SYSTEMS O2-03 DO YOU TRAUGHESHOOT TO PULSE HODULATION SYSTEMS O2-04 DO YOU TRAUGHESHOOT TO PULSE HODULATION SYSTEMS O2-05 DO YOU TRAUGHESHOOT TO PULSE HODULATION SYSTEMS O2-05 DO YOU MORK ON PULSE-POSITION HODULATION (PAM) O2-15 DO YOU MORK ON PULSE-POSITION HODULATION SYSTEMS O2-15 DO YOU MORK ON PULSE HODULATION SYSTEMS O2-15		0 848 02-24 DO	0 547 02-23 00 TO	0 846 02-22 00 YOU	0 842 02-21 00	0 844 02-20 00	0 643 02-14 DO	0 892 02-16 00	0 891 02-17 00	0 990 02-16 00	0 889 02-15 00	888	887 02-13 00			0 884 07-10 DO	0 863 02-09 DO TO	82	COMPONENTS	880	879 02-05	02-04	877	876 02-02 00	0 875 07-01 00	0 874 01-30 DO YOU	0 873 01-29 00		
OR CURRENT PATHS THROUGH SSB IT OR PULSE MODULATION SYSTEMS IT OR PULSE MODULATION SYSTEM ON PULSE MODULATION SYS		TOU PERFORM T	TOU PERFORM T	TOU PERFORM T	TOU PERFORM T	TOU PERFORM T	YOU PERFORM T	YOU PERFORM T	YOU PERFORM T	02-16 DO YOU PERFORM T	TOU PERFORM	YOU MORK ON	TOU WORK ON	WORK ON	2	YOU WORK ON	HORK ON	REMOVE	REHOVE	-		400	100		YOU WORK ON P			0	
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네 보고 있는데 가장 이 물리들이 살아 보고 이 하게 되었습니다. 이 경우를 받는 것이 하나는 이 모든 것이 모든 것이 되었다.	STSTEN	ivStem	SYSTEM		SYSTEM	SYSTEM	STEH	SYSTEM	SYSTEM	SYSTEM	SYSTEM	7	STEMS	SYSTEMS	(PPH)	PON	PANI	SYSTEM	SYSTEMS	"STEH	STEHS				1	DUGH 558			
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SPC																						SYSTEMS	PULSE MODULATION						

PCT MBRS ANSWRNG YES FOR 326x0/92 DAFSC GRPS

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND

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PCT MBRS ANSWANG YES FOR 326X0/92 DAFSC GRPS

TASK GHOUP SUMMARY PERCENT MEMBERS PENFORMING

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND

SPSHIB PAGE

ANTENNAS 7. = SPC • 724 33 5PC 000 SPC 007 SPC * = ~~~~ 02-30 00 YOU USE OR REFER TO PULSE RECURRENCE TIME (PRT)
02-31 UN YOU USE OR REFER TO PULSE WIDTM (PW)
02-32 DO YOU USE OR REFER TO PULSE SHAPE
02-33 UN YOU USE OR REFER TO PEAK POWER
02-34 DO YOU USE OR REFER TO AVERAGE POWER
02-35 DO YOU CALCULATE PULSE RECURRENCE TIME (PRT) OR PULSE 02-26 DO YQU PERFORM TASKS ON PULSE MODULATION SYSTEM VIDEO AMPLIFIERS OF YQU PERFORM TASKS ON PULSE MODULATION SYSTEM DOWN YOU DEO AMPLIFIERS ON PULSE MODULATION SYSTEM DOWN'T REMEMBER WHICH PULSE MODULATION SYSTEM STAGES OZ~29 DO YOU USE OR REFER TO PULSE RECURRENCE FREQUENCY

P 955 PI-03 DO TOU REFER TO OR USE SKIN EFFECTS OF HIGH FREQUENCY CURRENTS IN TRANSMISSION LINES	S	TRANSHISSION LINES ARE DEFINED TO INCLUDE LE	=	052 01-19 00	851 03-38 00 TOU WORK ON	03-37 60 TOU WORK	949 03-36 50 YOU WORK ON	REMEMBER WHAT KIND OF ELEMENTS	O 948 03-35 GO THE ANTENNA ARRAYS YOU LORK WITH CONTAIN DON'T	O THE OUTSING SERVICE ANTENNA ARRANGS TOU MONK WITH COMININ PARACULTIC	ELEMENTS SERVING AS DIRECTORS	O 946 03-33 DO THE ANTENNA ARRAYS YOU HORK WITH CONTAIN PARASITIC	HE ANTENNA ARRATS TOU	NECESSARY TO CONSTRUCT, ANTENNAS OF CORRECT LENG	CT. OR MAKE THE CALCULATIONS	POLARIZED TO THE MEASURE OR DETERMINE THE POLARITY OF ANTENNAS	0 942 03-29 ARE ANY OF THE ANTENNAS YOU WORK ON CIRCULARLY	ANT OF THE ANTENNA	AND MAGNETIC (H) COMPONENTS IN ANTENNA INDUCTION FIELD	O 940 03-27 DO YOU USE OR REFER TO THE TIME PHASE OF ELECTRIC (E)	TO SECURE AND AN ARTHUR TO THE TIME OF RECENT	FIELDS OF ANTENNAS	0 938 03-25 DO YOU HEASURE ELECTROMAGNETIC RADIATION	DADIATION FIELDS WHEN HORKING W	700	0 936 03-23 DO YOU MEASURE ELECTROMAGNETIC INDUCTION FIELDS OF	TOO COLLEGE TOO COLLEGE CHEEK	03-21 00 700	933 03-20 DO TOU WORK WITH CARDIOID A	03-19 DO YOU WORK WITH	931 03-18 DO YOU WORK WITH	930 03-17 DO YOU WORK WITH	929	01-1-20	2016	 TASK GROUP SUNIARY	PCT MBRS ANSWRNG YES FOR 326X0/92 DAFSC GRPS	
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TASK GROUP SUMMARY PERCENT MEMBERS PERFORMING							
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P3-66 DO TOU PERFORM TASKS ON PARAMETRIC AMPLIFIER VARACTOR 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ON PARAMETRIC AMPLIFIER IDLER O O O O O O O O O O O O O O O O O O O	ON PARAMETRIC AMPLIFIER REVERSE- 0 0	P3-69 DO YOU PERFORM TASKS ON
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DY-TSK DO TOU PERFORM TASKS ON PARAMETRIC AMPLIFIER IDLER D 0 0 0 0 0 0 0	ON PARAMETRIC AMPLIFIER IDLER 0 0 0 0 0 0 0 0 0	ON PARAMETRIC AMPLIFIER VARACTOR O	P3-67 DO TOU PERFORM TASKS ON
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PCT MBRS ANSWRNG YES FOR 326X0/92 DAFSC GRPS

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

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TASK GROUP SUHHARY PERCENT HEMBERS PERFORMING								
07=15K	5 PC 000	SPC 007	SPC 900	200	2000	SPC SPC 011 012	2 SPC	
AGES FOR	=	•	9	20	37	33	13 47	
TION TASKS ON	9.2	20	54	•			36 37	
ANALOG=TO=DIGITAL (A/D) CONVENTER CIRCUITS GII31 G3=C6 DO YOU PERFORM HOLD FUNCTION TASKS ON VARIABLE TIME	52	20	24	9	34	3	36 37	
ANALOG-TO-DIGITAL (A/D) CONVERTER CIRCUITS 03-07 DO YOU PERFORM COMPARE FUNCTION TASKS ON VARIA	25	20	•	0	36		40 42	
TIME ANALOG-TO-DIGITAL (AZD) CONVERTER CIRCUIT	22	20	•	30	34			
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ON VARIABLE THE ANLOG TO DIGITAL (AZD) CONVERTER 03-10 ON YOU USE ON REFER TO SAMPLE FUNCTION OF AZD	: :	0	:	9	37		•	
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CONVERTERS Q1137 Q3-12 DO YOU USE OR REFER TO COMPARE FUNCTION OF A/D	7	0	01	30	•	, 05	47 53	
CONVERTERS GII38 93-13 DO YOU USE OR REFER TO DIGITAL FUNCTION OF A/D	1.	0	•	30	•	, 05	44 58	
CONVERTERS \$1139 63-14 DO TOU PERFORM ANY TASKS ON MECHANICAL ANALOG-TO-	<u>*</u>	0	•	0.2	*2	33	31 5	
	æ	0	0	0	-	5	5	PHANTASTRONS
PHESENT JOB PRESENT JOB DO YOU WORK WITH SCHMITT TRIGGER	42	4.0	43	0.	1 19	100	58 58	
CIRCUITS RII42 R2-02 DO YOU TRACE DATA FLOW THROUGH SCHWITT TRIGGER	36	20	£	30	0.9	100	56 58	SCHMITT TRIGGERS
SCHEMATIC DIAGRAMS RIL+3 #2-03 DO YOU USE DR REFER TO SCHWITT TRIGGER LOGIC SYMBOLS	45	9	ç	0			60 58	
TASTOL IN TOUR PRESENT JOB DO YOU FABRICATE HULTICOMDUCTOR	42	92	8	0.6	39	20	36 42	CABLE FABRICATION
RINS R3-02 DO YOU FABRICATE COAVIAL CABLES	42	20	43	5.0	54	63	53 47	
VISUAL READOUT SYSTEMS	75	9	76	90	7.		71 79	INPUT/OUTPUT
DECODER SYSTEM	33	20	3	0			33 37	
SOOLEAN ALGEBRA	31	20	150	05	3.4	6.7	31 32	PHOTO SENSITIVE DEVICES
0 53-01 IN YOUR PRESENT JOB DO YOU WORK WITH CHOPPER CIRCUITS	52	20	2.0	20	=			1
FREQUENCIES	13	20	•	2	1	17	-	
SITSZ SZ-63 DO YOU MEASURE VOLTAGE CURRENT PHASE RELATIONSHIPS	• -	20	* 6	0 0	~ ~	2 2		CVNCHDONOLIS VIBRATIONS
	1	50	•	2	•	2	-	(CHOPPER CIRCUITS)
S1155 SE-04 DO YOU USE SERVOS IN CONJUNCTION WITH CHOPPER	•	50	•	02	=	33	-	

LASER SYSTEMS	12-06 00 YOU	12-05 DO YOU OPERATE LASER	12-04 DO TOU	14-03 DO TOU CLEAN LASER SI	LASERS TO TOUR THE PARTY OF THE	TATOL DOES LOOK EXESENT DOS INSOLATE	THE PARTY AND TH	TI-27 OF YOU PERFORM THE ON OF ME	TIEST OF TON PERSONS THE PERSO	AT TI-25 DO YOU PERCORN TIERS ON	TI-24 DO TOU PERFORM TACKS ON	TI-23 DO YOU PERFORM TAKES ON	TOU PERFORM TASKS ON	TOU PERFORM TASKS ON	FORM TASKS OF	TI-IT DO TOU USE OR REFER TO	TI-18 DO TOU USE OR REFER TO	TITLY DO TOO USE ON REFER TO	TE TIET DO TOU OUE OR REFER TO	THE TO YOU HER OR BESTE TO	173 TI-15 DO YOU USE OR REFER TO	YOU USE OR REFER TO	YOU USE OR REFER TO		TI-II DO YOU USE OR REFER TO FAR REGION	COMPONENT PARTS	TIIGH TI-10 DO YOU REMOVE OR REPLACE INFRARED SYSTEM	INFRARED SYSTEMS	TALLAY TI-OR DO YOU REMOVE OR REPLACE MAJOR ASSEMBLIES OF	TILLA TI-08 DO TOU TROUBLESHOOT DOWN TO INFRARED SYSTEM	TILLES TI-07 DO YOU TROUBLESHOOT MAJOR ASSEMBLIES OF INFRARED	SYSTEMS	11-06 00	TI-05 DO YOU DEFRATE INTERACTOR SYSTEMS	TI-04 DO TOU	161 TI-01 DO YOU	TOU INSPECT INFRARED	INSPERS SYSTEMS	SASA ANA		CIRCUIT OPERATION	TOU USE	CIRCUIT OPERATION	S1154 S3-07 DD YOU USE DETECTORS IN CONJUNCTION WITH CHOPPER	0Y-13x		TERCET SESERS PERFORETS	CT MBRS AUSWRNG YES FOR 326X0/92 DAFSC GRPS	
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"" ACTIVE MATERIALS." ON REFLECTIVE CIRCUITS
13-07 DC YOU REMOVE OR REPLACE DVST OR MMST TUBES FROM
MAJOR ASSENBLIES OR UNITS
THAJOR ASSENBLIES OR UNITS
THE VAPIOUS ELEMENTS OF DVST TZ-32 DO YOU WORK WITH ARGON
TZ-33 DO YOU WORK WITH NEODYMIUM IN GLASS
TZ-34 DO YOU WORK WITH GALLIUM ARSENIDE
T3-01 IN TOUR PRESENT JOB DO YOU WORK WITH DISPLAY TUBES.
SUCH AS DIRECT VEW STORAGE (DYST) OR HULTIPLE HODE
T3-02 DO YOU INSPECT OVST OR MAST OR REPLACE MAJOR ASSEMBLIES OF LASER OR REPLACE COMPONENT PARTS OF LASER WORK WITH FULL SILVERED VIDOS REFLECTIVE! YOU TROUBLESHOOT TO COMPONENT PARTS OF LASER YOU WORK WITH HALF SILVERED (92% REFLECTIVE) TOU TROUBLESHOOT MAJOR ASSEMBLIES OF LASER T3-04 DO TOU ADJUST OR CALIBRATE DVST OR MMST T3-05 DO TOU OPERATE SYSTEMS THAT CONTAIN DVST OR T3-06 DO TOU TROUBLESHOOT DVST OR MMST MELICAL FLASHTUBES RUBY WITH ACTIVE HATERIALS WITH PUMPING SOURCES PCT MBRS ANSWRNG YES FOR 326X0/92 DAFSC GRPS WITH XENON WITH CESIUM WITH HELIUN-NEON CLEAN DVST OR HHS 3 B TASK GROUP SUMMARY PERCENT MEMBERS PERFORMING REMOVE REHOVE 900 80 #08K # 0 R K FORK 108 108 108 #ORK USE 15c 100 100 100 5757EHS 5757EHS 72-08 00 5757EHS 2-10 00 SYSTEMS 200 00 000 STSTEMS 12-10 00 00 00 000 RIRRORS 13-03 12-23 12-15 11210 12-25 15-14 2-20 12-22 12-27 1215 112211 11193 11201 11201 11202 11204 11205 11206 11209 11213 11225 111192 11211 1212 1214 11222 11227 11194 71198 11226 11196

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SECULD SUMMARY INT MEMBER'S PERFORMING DY-YSK DY-YS		DB AND POWER	Ξ	=	c	7	5	7	0	=	UZ-UZ DO YOU USE LOGARITHMS TO COMPUTE OUTPUT POWER
REAL NAME OF THE PORT 12840/72 DAFSC GRES GROUP SUMMARY DY-TSK DY-T			53	•	Į,	•	•		40	72	UZ-01 DO YOU USE DECIBELS TO EXPRESS AMPLIFICATION
ENT MEMBERS PERFORMING DY-YSK DY-YSK			7,0	••	8,1	73	20	29	0	22	U1-21 DO YOU PERFORM TASKS
ENT MEMBERS PERFORMING DY-TSK DY-TSK			7	71		7.	20	29	•	22	UI-20 DO YOU PERFORM TASKS ON
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GPSHIB PAGE 46											GROUP SURMARY
		E SYSTEMS COMMAND	R FORCE	*		*	PAGE	PUNCA	•		IDAU ANDEREG TES FOR SZOXO/TZ DAFSC GRES

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PERCENT MEMBERS PERFORMING							
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MATHEMATICS, DIRECT CURRENT, VOLTAGE, AND	100	100	100	100	100	100	100
MULTIMETER USES, ALTERNATING		00	001	100	00	00	100
CAPACITORS, CAPACITIVE REACTANCE, TRANSFORMERS,	•,	50	100	97	00	100	:
AND MAGNETISM							
RCL CIRCUITS, SERIES AND PARALLEL	100	100	100	70	100	67	75
COUPLING. SOIDERING. AND RELAYS	100	- 00	100	100	200	100	100
TICROPHONES, SPEAKERS, AND OSCILLOSCOPES	100	100	00	97	000	100	8 6
SEMICONDUCTOR DIODES, TRANSISTORS, AND TRANSISTOR	67	50	100	97	000	100	:
SOLID STATE SPECIAL PURPOSE DEVICES, POWER	100	001	100	100	100	100	100
SUPPLIES, AND OSCILLATORS		,	;	;		;	•
ELECTRON TUBE AMPLIFIERS AND CIRCUITS, SPECIAL	3,	0 0	100	21		21	25
PURPOSE ELECTRON TUBES, HETEROPYNING, MODULATION,							
AM SYSTEMS, FM SYSTEMS, AND NUMBERING SYSTEMS	100	100	100	82	100	79	
LOGIC FUNCTIONS, BOOLEAN EQUATIONS, AND COUNTERS	100	00	100		000		
MOTORS, AND GENERATORS	100	100			100		100
MAGNETIC AMPLIFIERS, AND WAVESHAPING CIRCUITS	100	100	100	97	100	100	
SINGLE SIDEBAND SYSTEMS, PULSE MODULATION	100	100	100	-	100	17	-
SYSTEMS, AND ANTENNAS	:	S	5	S	3	F .	
RESONATORS, AND MICROMAVE AMPLIFIERS AND OSCILLATORS		į			;		
REGISTERS. STORAGE DEVICES. AND	100	100	100	100	100	100	100
DIGITAL TO ANALOG CONVERTERS							
PHANTASTRONS. SCHRITT TRIGGERS, AND	100	100	100	4	100	72	
CABLE TAGALCATION	100	100	100	•	90	:	•
DEVICES. AND STACHRONOUS VIBRATIONS							
INFRARED, LASERS, AND DISPLAY TUBES	67	100		12	0		25
PROGRAMMING. OB AND POWER RATIOS	• 7	50	_	71	00	75	2

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74 83-08 00 YOU USE OR REFER TO INDUCTIVE RECTANCE.
75 83-09 00 YOU USE OR REFER TO COPPER LOSS IN INDUCTORS.
76 83-10 00 YOU USE OR REFER TO HYSTERESIS LOSS IN 59 61-08 DO YOU DIRECTLY USE A QUANTITY OF CHARGE CALLED A COULOMB.
60 81-09 DO YOU READ SCHEMATICS.
81 82-01 DO YOU USE OR REFER THE TERM EFFECTIVE VOLYAGE. INDUCTORS IN SERRES-PARALLEL CIRCUITS.

83-20 DO YOU USE OR REFER TO THE GENERAL RULE THAT
CURRENT LASS VOLTAGE IN AC INDUCTOR CIRCUITS.

83-21 DO YOU CALCULATE INDUCTIVE REACTANCE. INDUCTORS.
77 83-11 DO YOU USE OR REFER TO EDDY CURRENT LOSS IN 84 B3-18 DO TOU CALCULATE THE TOTAL INDUCTANCE FOR INDUCTORS IN PARALLEL.
85 83-19 DO YOU CALCULATE THE TOTAL INDUCTANCE FOR PCT MBMS ANSWHWG TES FOR 326X0/92 DAFSC GRPS TASK GHOUP SUMMARY PERCENT MEMBERS PERFORMING 62 82-02 00 700 USE 0 63 82-03 00 700 USE 0 64 82-04 00 700 USE 0 65 82-05 00 700 USE 0 INDUCTORS.

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(137 CZ-09 DO YOU USE THE SYMBOL FOR MUTUAL INDUCTANCE. M.

(137 CZ-10 DO YOU REFER TO OR USE THE COEFFICIENT OF COUPLING MHEN MORFING WITH TRANSFORMERS.

(138 CZ-11 DO YOU REFER TO RETINGS FOR TRANSFORMERS.

USING CURRENT OR VOLTAGE RATIOS.

(139 CZ-12 DO YOU REFER TO REFLECTED IMPEDANCE WHEN WORKING.
MITH TRANSFORMERS. MORK WITH COMPRESSION (TRIMMER) CAPACITORS.
WORK WITH ELECTROLYTIC CAPACITORS (FIXED).
WORK WITH PAPER CAPACITORS (FIXED).
WORK WITH MICA CAPACITORS (FIXED).
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CZ-17 DO TOU WORK MITH AUTOTRANSFORMERS.

CZ-15 DO TOU WORK MITH FOWER TRANSFORMERS.

CZ-16 DO TOU WORK MITH RADIO FREQUENCY TRANSFORMERS.

CZ-17 DO TOU WORK MITH RADIO FREQUENCY TRANSFORMERS.

CZ-15 DO TOU WORK MITH RADIO FREQUENCY TRANSFORMERS. BY MEASURING RESISTANCE. CZ-ZI DO TOU CHECK TRANSFORMERS FOR SHORTED MINDINGS CZ-IT DO TOU CHECK TRANSFORMERS FOR OPEN WINDINGS BY MEASURING RESISTANCE.
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C 119 C1-28 DO TOU USE OR REFER TO THE GENERAL RULE THAT CAPACITYE REACTANCE IS INVERSELY PROPORTIONAL TO C 120 C1-29 DO YOU CALCUATE CAPACITIVE REACTANCE.
C 121 C1-30 DO YOU WORK WITH ROTOR-STATOR CAPACITORS PCT MBRS ANSWANG TES FOR 326x0/92 DAFSC GRPS DY-15K TASK GROUP SUMMARY PERCENT HEMBERS PERFORMING TRANSFORMER. 200 100 400 (VARIABLE). C1-31 00 00 C1-35 45-10 122 961 3 C 147 148 P 14 - 2 E : E

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AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

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E2-15 DO TOU INSECT SOLDER CONNECTIONS BY VICKING. E2-16 DO TOU DESOLDER CONNECTIONS BY VICKING. E2-16 DO TOU DESOLDER CONNECTIONS BY VICKING. E2-17 DO TOU CRUSH CORNORETIONS BY VICKING. E2-18 DO TOU CRUSH CORNORETIONS CONNECTIONS E2-18 DO TOU CRUSH CORNORETIONS. E2-18 DO TOU CRUSH CORNORET CORNORETIONS. E2-18 DO TOU CRUSH CORNORET CORNORET CONNECTIONS. E2-19 DO TOU READ CORNORET CORNORET CONNECTIONS. E2-20 DO TOU SOLDER PASSIVE CORNORET CONNECTIONS. E2-20 DO TOU SOLDER PASSIVE CORNORETS SOLD CORNECTIONS. E2-21 DO TOU SOLDER PASSIVE CORNORETS SOLD CORNECTIONS. E2-20 DO TOU SOLDER PASSIVE CORNORETS SOLD CORNECTIONS. E2-21 DO TOU SOLDER PASSIVE CORNORETS SOLD CORNECTIONS. E2-21 DO TOU SOLDER PASSIVE CORNORETS SOLD CORNECTIONS. E2-21 DO TOU SOLDER PASSIVE CORNORETS SOLD CORNECTIONS. E2-22 DO TOU SOLD CORNORET CORNECTIONS. E2-23 DO TOU SOLD CORNORET CORNECTIONS. E2-20 DO TOUR CORNORET CORNORET CORNECTIONS. E2-20 DO TOUR CORNORET CORNORET CORNORET CORNORET CORNORET CORNORET CORNORET CORNORET	EZ-13 DO TOU TIN OR PRE-TIN	67	20	100	8.5	100	88	63	
E2-15 DO TOU DESOLDER CONNECTIONS USING VACUUM E2-16 DO TOU DESOLDER CONNECTIONS USING VACUUM DESOLDERIAG TOOLS. E2-17 DO TOU CUT COMPONENT LEASS TO REMOVE COMPONENTS. E2-18 DO TOU CUT COMPONENT LEASS TO REMOVE COMPONENTS. E2-19 DO TOU CUT COMPONENT LEASS TO REMOVE COMPONENTS. E2-19 DO TOU CUT COMPONENT S DOWNET TONS. E2-19 DO TOU MAKE PRINTED CIRCUIT BOARDS E2-20 DO TOU CALCAM WITH RELAYS E2-20 TOU SOLDER ACTIVE COMPONENTS SUCH AS SOLD-STATE E2-20 DO TOU CALCAM WITH RELAYS E2-20 TOU SOLDER ACTIVE COMPONENTS SUCH AS SOLD-STATE E2-20 DO TOU CALCAM WITH RELAYS E2-30 TOU COLCAM WITH RELAYS E2-30 TOU CALCAM WITH RELAY E2-	E2-14 DO YOU INSPECT SOLDER	67	20	001	88	001	88	80	
E2-19 DO YOU DESCLOER CONNECTIONS USING VACUUM DESCRIPTION OF THE TOOLS. E2-19 DO YOU CUT COMPONENT LEADS TO REMOVE. E2-19 DO YOU WAKE PRINTED CIRCUIT BOARD CONNECTIONS. E2-19 DO YOU WAKE PRINTED CIRCUIT BOARD CONNECTIONS. E2-19 DO YOU WAKE PRINTED CIRCUIT BOARDS E2-21 DO YOU WAKE PRINTED CIRCUIT BOARDS E2-21 DO YOU WAKE PRINTED CIRCUIT BOARDS E2-22 DO YOU WAKE PRINTED CIRCUIT BOARDS E2-20 DO YOU WAKE WITH RELAYS E2-20 DO YOU WEROVE OR REPLACE COMPLETE RELAYS E3-00 DO TOU CIRCUIT ROAD TOWN TOWN THE TOWN TOWN TOWN THE TOWN TOWN TOWN TOWN TOWN TOWN TOWN TOWN	EZ-15 DO YOU DESOLDER CONNE	67	001	0	16	100	19	63	
E2-15 DO YOU CRUSH COMPONENT LEADS TO REMOVE COMPONENTS. E2-16 DO YOU CRUSH COMPONENT LEADS TO REMOVE. E2-16 DO YOU CRUSH COMPONENT LEADS TO REMOVE. E2-17 DO YOU CRUSH COMPONENT LEADS TO REMOVE. E2-27 DO YOU WAKE HARDE CIRCUIT BOARD COMPETIONS E2-27 DO YOU WAKE HARDE CIRCUIT BOARD COMPETIONS E2-27 DO YOU SOLDER PASSIVE COMPONENTS SUCH AS SOLID-STATE E2-27 DO YOU SOLDER ACTIVE COMPONENTS SUCH AS SOLID-STATE E2-27 DO YOU SOLDER ACTIVE COMPONENTS SUCH AS SOLID-STATE E2-27 DO YOU SOLDER ACTIVE COMPONENTS SUCH AS SOLID-STATE E2-27 DO YOU WORK WITH MELATS ON PRINTED CIRCUIT BOARDS E2-27 DO YOU WORK WITH MELATS ON PRINTED CIRCUIT BOARDS E2-28 DO YOU WORK WITH MELATS E2-29 DO YOU WORK WITH MELATS E2-20 DO YOU WORK WITH MELATS E2-30 DO YOU WORK WITH WITH MELATS E2-30 DO YOU WORK WITH WITH WITH WITH WITH WITH WITH WITH	E2-16 DO YOU DESOLDER CONNECTIONS	100	1 00	001	82	001	83	75	
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E3-10 00 700 PERFORM TASKS ON RELAY CORES 53.10 00 700 PERFORM TASKS ON RELAY COLES E3-11 00 700 PERFORM TASKS ON RELAY COLES E3-12 00 700 PERFORM TASKS ON RELAY SPRINGS E3-13 00 700 PERFORM TASKS ON RELAY SPRINGS E3-13 00 700 PERFORM TASKS ON RELAY SPRINGS E3-15 00 700 PERFORM TASKS ON RELAY SPRINGS E3-15 00 700 USE ON REFER TO SINGLE FAROW 100 100 100 77 100 83 6 157571, MORMALLY CLOSED MC. SINGLE FAROW 157571, MORMALLY CLOSED MC. SCHEMATIC SYMBOLS FOR RELAYS 100 100 100 77 100 83 6 1577 00 700 USE OR REFER TO DOUGLE FOLE, DOUGLE THROW 100 100 100 100 77 100 83 6 1577 00 700 USE OR REFER TO DOUGLE FOLE, DOUGLE THROW 100 100 100 100 77 100 83 6	E3-09 DO TOU PERFORM TASKS ON	•1	20	00	•	0	7.7	2	
E3-11 DG YOU PERFORM TASKS ON RELAY COILS E3-12 DG YOU PERFORM TASKS ON RELAY SHARATURES E3-13 DG YOU DEFRORM TASKS ON RELAY SHARATURES E3-13 DG YOU DEFRORM TASKS ON RELAY SHARATURES E3-14 DG YOU USE OR REFRET TO SINGLE FORE, STRELET SHOW E3-15 DG YOU USE OR REFRET TO SINGLE FORE, STRELAYS E3-15 DG YOU USE OR REFRET TO SINGLE FOLE, DOUBLE THROW E3-15 DG YOU USE OR REFRET TO SINGLE FOLE, DOUBLE THROW E3-15 DG YOU USE OR REFRET TO DOUBLE FOLE, DOUBLE THROW E3-15 DG YOU USE OR REFRET TO DOUBLE FOLE, DOUBLE THROW E3-15 DG YOU USE OR REFRET TO DOUBLE FOLE, DOUBLE THROW 100 100 100 77 100 63 E3-17 DG YOU USE OR REFRET TO DOUBLE FOLE, DOUBLE THROW 100 100 100 62 100 63	EJ-10 DO TOU PERFORM TASKS ON	0	0	0	~	0	•	0	
E3-12 DG YOU PERFORM TASKS ON RELAY ARRATURES E3-13 DG YOU PERFORM TASKS ON RELAY PRINGS E3-13 DG YOU USE OR REFER TO SINGLE POLE, SINGLE THROW [SPST], WORMALLY OPER IND) SCHEMATIC SYNBOLS FOR RELAYS [SPST], WORMALLY CLOSED INC) SCHEMATIC SYNBOLS FOR RELAYS [SPST], SCHEMATIC SYNBOLS FOR RELAYS [SPST] SCHEMATIC SYNBOLS FOR RELAYS [SPST] DG YOU USE OR REFER TO DOUGLE POLE, DOUBLE THROW 100 100 100 100 77 100 83 [SPST] DG YOU USE OR REFER TO DOUGLE POLE, DOUBLE THROW 100 100 100 100 82 100 88	E3-11 DO YOU PERFORM TASKS ON RELAY	33	0	8	•	0	•	2	
E3-13 DG YOU PERFORM TASKS ON RELAY SPRINGS [51-14 DG) TOU USE OR REFER TO SINGLE FOLE, SINGLE THROW [51-15 DG) TOU USE OR REFER TO SINGLE FOLE, SINGLE THROW [51-15 DG) TOU USE OR REFER TO SINGLE FOLE, SINGLE THROW [51-15 DG) TOU USE OR REFER TO SINGLE FOLE, DOUBLE THROW [51-15 DG) TOU USE OR REFER TO SINGLE FOLE, DOUBLE THROW [51-15 DG) TOU USE OR REFER TO SINGLE FOLE, DOUBLE THROW [51-17 DG) TOU USE OR REFER TO DOUBLE FOLE, DOUBLE THROW [51-17 DG) TOU USE OR REFER TO DOUBLE FOLE, DOUBLE THROW [51-17 DG) TOU USE OR REFER TO DOUBLE FOLE, DOUBLE THROW [51-17 DG) TOU USE OR REFER TO DOUBLE FOLE, DOUBLE THROW [51-17 DG) TOU USE OR REFER TO DOUBLE FOLE, DOUBLE THROW [51-17 DG) TOU USE OR REFER TO DOUBLE FOLE, DOUBLE THROW [51-17 DG) TOU USE OR REFER TO DOUBLE FOLE, DOUBLE THROW [51-17 DG) TOU USE OR REFER TO DOUBLE FOLE, DOUBLE THROW [51-17 DG) TOU USE OR REFER TO DOUBLE FOLE, DOUBLE THROW [51-17 DG) TOU USE OR REFER TO DOUBLE FOLE, DOUBLE THROW [51-17 DG) TOU USE OR REFER TO DOUBLE FOLE, DOUBLE THROW [51-17 DG) TOU USE OR REFER TO DOUBLE FOLE, DOUBLE THROW [51-17 DG) TOU USE OR REFER TO DOUBLE THROW [51-17 DG) TOU USE OR REFER TO DOUBLE THROW [51-17 DG) TOU USE OR REFER TO DOUBLE THROW [51-17 DG) TOU USE OR REFER TO DOUBLE THROW [51-17 DG) TOU USE OR REFER TO DOUBLE THROW [51-17 DG) TOU USE OR TOUR THROW [51-17 DG) TOU USE OR TOUR THROW TOUR THROW [51-17 DG) TOU USE OR TOUR THROW TH	E3-12 DO YOU PERFORM TASKS ON RELAY	0	0	•	•	0	*	2	
E3-14 DO TOU USE OR REFRET TO SINGLE POLE, SINGLE THROW (SPST), MORMALLY OPER 1001 SCHEMATIC STRBOLS FOR RELAYS (SST), MORMALLY OPER 1001 SCHEMATIC STRBOLS FOR RELAYS (SPST), MORMALLY CLOSED REFER TO SINGLE POLE, SINGLE THROW (SPST), MORMALLY CLOSED REFER TO SINGLE POLE, DOUBLE THROW (SPDT) SCHEMATIC STRBOLS FOR RELAYS (SPDT) SCHEMATIC	E3-13 DO TOU PERFORM TASKS	0	0	0	~	0	•	0	
E3-15 DG TOU USE OR REFER TO SINGLE POLE, SINGLE THROW 100 100 100 79 100 63 15921; NORMALLY CLOSED (NC) SCHEMATIC STHBOLS FOR RELAYS E3-15 DG TOU USE OR REFER TO SINGLE POLE, DOUBLE THROW 100 100 100 79 100 63 100 51 100 63 100 100 VOU USE OR REFER TO DOUBLE POLE, DOUBLE THROW 100 100 100 82 100 88	E3-14 DO YOU USE OR REFER TO	100	100	00	•	001	•	3	
SPST; WORMALLY CLOSED (MC) SCHEMATIC STMBOLS FOR RELAYS 12-16-00 TOU USE OR REFER TO SIMPLE FOLE; DOUBLE THROW 15-015 SCHEMATIC SYMBOLS FOR RELAYS 15-015 SCHEMATIC SYMBOLS FOR RELAYS 100 TOU USE OR REFER TO DOUBLE FOLE; DOUBLE THROW 100 TOU 100 82 100	09 E3-15 DO YOU USE OR REFER TO SINGLE POLE, SINGLE THROW	100	100	100	10	100	3	:	
E3-16 DO TOU USE OR REFER TO SINGLE POLE: DOUBLE THROW 100 100 100 77 100 (SPDT) SCHEMATIC SYMBOLS FOR RELAYS E3-17 DO YOU USE OR REFER TO DOUBLE POLE: COUBLE THROW 100 100 100 82 100	ISPST , NORMALLY CLOSED !		1000						
(SPDT) SCHEMATIC STMBOLS FOR RELATS E3-17 DO YOU USE OR REFER TO DOUGLE POLE: COUBLE THROW 100 100 100 100 82 100	E3-14 DO TOU USE OR REFER	00	00	001		001	63	7	
ETTI DO COL COL COLOR TO COLOR	(SPOT) SCHEMATIC SYMBOLS FOR RELAYS		0	9	•		•	•	
	E3-17 DO TOU USE OR REFER TO DOUBLE FOLE, DOUBLE	3	3	20	70	201		:	

		ADJUSTMENTS	F3-03 00 TOU USE (350 001 0	350 00 00 00	TOU PERF	400	00 YOU	400	TOU	00 YOU	00 700	0	00	SN01133		DO YOU	DO YOU	F2-02 DO YOU INSPE	HITH SPEAKERS	DO YOU .	400	00 YOU	00 YOU	00 YOU	FI-08 DO YOU RENOV	00 100	SNOTTORS		400	400	00 YOU		MEASURING RESISTANCE	X3415 00 400 CHECK	100 05E	70 VOIL 1171	
:	OSCILLOSCOPES TO MEASURE	OSCILLOSCOPES TO TROUBLE	OSCILLOSCOPES TO PERFORM	OSCILLOSCOPES TO PERFORM	N YOUR	ANY TASKS ON SPEAK	ANY TASKS	ANY TASKS ON	ANY TASKS ON	ANY TASKS ON	PERFORM ANY TASKS ON SPEAKER	ON ME. PACE	פא אביראנב	NEGO 100HS3		TROUBLESHOOT AS FAR AS CHECKING	RS	CLEAN SPEAKERS	INSPECT SPEAKERS	SENT JOB - DO TOU PERFORM ANT	TASKS ON	TASKS ON	TASKS ON	TASKS ON	ORN TASKS ON CARBON MICROPHONES	REMOVE OR REPLACE MICROPHONE PARTS	TROUBLESHED DOWN TO A CAUTHORN TAXTO	BUT DO NOT TROUBLESHOOT DOWN TO	TROUBLESHOOT AS FAR AS CHECKING	OPERATE MICROPHONES	CLEAN MICROPHONES	INSPECT MICROPHONES	200.00		CHECK ELECTRICAL CONTINUITY OF COILS BY	REFER TO OTHER RECAT		07-15K
	E FREQUENCY	TROUBLESHOOT ELECTRONIC	PERFORM ALIGNMENTS OR	T OPERAL JUNAL			R ELECTROMAGNETS					CONES	OTEARCH S	T NA -U	TO COMPONENT	NG				ANT IASKS DEALING	B	MICROPHONES	ROPHONES	ICROPHONES	OPHONES	RATIO	TORE TAXIO	TO COMPONENT						YOU DERFORM ANY TASKS DEALING	OF COILS BY	STABOLS SCHEMATIC	STEPPE STEPPE STEP	
100	100	67	•7	0,	00	0	0	0	0	0	0 (0 0	3 C	o c	,	0	0	0	0	c	0	0	0	0	0	0 6	. 0	,	33	33	0	0		1	67		9	014
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:	:	8.8	•	*	: :	0			0	0	0	0	٥ د		,	0	0	0	0		0	0	0	0	0	0	5 6	•	0	0	0	0		0	82	0		01.8
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			OSCILLOSCOPES														SPEAKERS				THE CHARLES OF THE PERSON OF T										MICROPHONES							

AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

GPSHIC PAGE 60

PCT MARS ANSWRUG YES FOR 326x0/92 DAFSC GRPS

PLI MONS ANSWARE TES FOR 320XD/12 DAFSC GRES					•		
TASK GROUP SUNHARY PERCENT MEMBERS PERFORMING							
07-TSK	200	5 PC 016	SPC 5	S 545	SPC SPC 019 020	26 26	
F 348 F3-07 DO YOU USE OSCILLOSCOPES TO OBSERVE LISAJOUS PATTERNS F 349 F3-08 DO YOU USE OSCILLOSCOPES TO OBSERVE SIGNALS WHILE	100	001	0001	24 1	100	29 13	
UTILIZING ATTENUATOR PROBES F 350 F3-09 DO YOU USE OSCILLOSCOPES TO MAKE FREQUENCY OR TIME BEACHER HELD OF THE THE WIND TO BE THE WIND TRANSPORTED TO THE WAY TO BE THE WIND THE TRANSPORTED TO THE WAY THE WAY TO THE WAY	33	20	0	-	5 001	58 75	
20PES	100	001	000	* .	100 100	75	
51641							
G 354 GI-01 DO TOU MORK WITH SEMICONDUCTOR DIODES IN YOUR PRESENT	67	1	100		100	96 88	8
JOB 355 61-02 DO YOU DESPECT DIODES	47	20	100		. 001	75	
GI-03 DO YOU REHOVE OR REP	67	20	001	95		. ~	8 SEMICONDUCTOR
4 357 61-04 DO YOU CHECK DIODES USING AN INSTRUMENT	67	20	001	- -	001	96 88	
359 61-05 00 700 USE ENERGY LE						·	
360							
010065			,				
G 301 GIOG DU TOU USE ON MEFECH TO THE GENERAL MULE THAT		2	00	?	`	2	
IDENTIFY SEMICONDUCTOR DIODES AS OPPOSED T	67	90	001	7.3	100 7	75 63	
TOU REFER TO OR D	0	0	0	2	0	8 25	
EFFECTS OF DOPING ON CURRENT FLOW 6 364 61-11 DO YOU USE OR REFER TO MEASUREMENTS OF FORMARD BIAS	33	0	001	5.8	, 001	40 98	
RESISTANCE	c		c			47 50	
61-13 DO YOU USE OR REFER TO CENTRIFUGAL	00	0	0	1			0
USE OR REFER TO	o	0	0	0	0	0	0
G 368 GI-IS DO TOU USE OR REFER TO DIODE NUMBERING SYSTEM, SUCH	33	0	001	79	0	54 88	
AS IN 538 6 34 61-16 DO YOU USE OR REFER TO KINETIC ENERGY OF AN ELECTRON	0	0	0	-	0		0
8	0	0	0	0	0	0	0
G 371 GI-18 DO YOU USE OR REFER TO MEASURENEMTS OF REVERSE BIAS	33	0	001	9	•	33 68	
G 372 GI-TO TOU USE OR REFER TO NUMBER OF ELECTRONS IN A	0	0	0	•	0	92 0	
G 373 GI-ZO DO TOU USE OR REFER TO PERMISSIBLE ENERGY LEVELS OF	٥	0	0	0	0	0	0

And an information of Cartifold Captures

OR REFER	SEMICONDUCTORS	GI-41 DO YOU USE OR REFER T	E OR REFER	DO YOU USE OR REFER	DO YOU USE OR REFER	DO YOU USE OR REFER	GI-36 DO YOU USE OR REFER T	E OR REFER	E OR REFER	SEMICONDUCTORS		SEMICONDUCTOR MATERIALS	GI-31 DO YOU USE OR REFER T	GI-30 DO YOU USE OR REFER TO	GI-29 DO YOU USE OR REFER TO		7 23	RATURE	CONSTRUCTION OF DIODES SUCH AS GERMANIUM OR SILICON	GI-25 DO YOU NEED TO KNOW WHICH MATERIALS	GI-24 DO YOU USE OR REFER TO	REFER	GI-22 DO YOU USE OR REFER TO	G1-21 DO YOU USE OR REFER TO	
TO RELATIONSHIP BETWEEN BARRIER	TO DEPLETION REGION IN	TO JUNCTION RECOMBINATION IN	TO MINORITY CARRIERS IN			TO P-TYPE SEMICONDUCTOR MATERIAL	TO ACCEPTOR IMPURITY IN	TO DONOR IMPURITY IN	TO ELECTRON FLOW OR HOLE FLOW IN			TO COVALENT BONDING IN	TO CONDUCTION BAND IN	O FORBIDDEN BAND IN	YOU USE OR REFER TO VALENCE BAND IN SEMICONDUCTOR	TOU DETERMINE HEATTER PA CURETION DIODES ARE	O PA JUNCTION DIODE	CONFESCIONENTS OF RESISTANCE (AS TEMPERATURE	H AS GERMANIUM OR SILICON	HICH HATERIALS ARE USED IN THE	O SYMBOLS ON THE DIODE WHICH	TO ATOMIC NUMBER (TOTAL NUMBER OF	O VALENCE ELECTRONS (THOSE IN	O FORBIDDEN ENERGY LEVELS OF AN	
0	0	0	O	0	33	נ	0	0	0	c	5	a	0	0	0	67	33		-	0	33	0	0	0	
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•	0	0			33	2	0	0			-	0		0	0	50	00		 		5 0	0	c	0	
-	25	٥	0	0	50	50		0	38		0	0	o	a	0	8.	25		63	25	8.8	25	38	0	

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AF HUMAN RESOURCES LABORATORY

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PCT MBRS ANSWRNG YES FOR 326x0/92 DAFSC GRPS

		,	3,000				
TASK GROUP SUMMARY PERCENT NEMBERS PERFORMING							
DY=1SK	SPC 0.10	SPC 510	SPC SPC 017 018	SPC 910	SPC 020	SPC 021	
GI-44 DO YOU USE OR REFER TO THE 10:1 BACK TO FROMT	33	0	1 00	42 0	96	3	
398 GI-45 DO YOU USE OR REFER TO BARRIER HEIGHT IN	0	0	0	0	0	0	
SEMICONDUCTORS GI-46 DG YOU USE OR REFER TO DIODE SUBSTITUTION	:	0	00	3.	33	05	
TOU USE OR REFER TO	0	0	0	0 81		38	
CURRENT DIODE RATINGS 401 GI-48 DO YOU USE OR REFER TO PEAK RECURRENT FORWARD CURRENT	0	0	0	0	•	20	
DIODE PATINGS GI-49 DO YOU USE OR REFER TO MAXIMUM SURGE CURRENT DIODE	0	0	0	21 0		05	
SE OR REFER TO	o	0	0	0	:	98	
00	67	-	6 00	1 100	96	75	
YOU INSPECT	6.					25	
0 0		000	000	001 50	60	0 0	
200	6 6			100		9 00 0 00	TRANSISTORS
_	7	05				7.5	
PESISTANCE MEASUREMENTS						7	
EASUREMENTS						:	
		, ,				:	
	0	•					
GZ-10 DO YOU USE OR REFER TO THE PHYSICAL SIZE OF THE	0	0	0	25 100	20	20	
GZ-II DO YOU USE OR REFER TO LEAKAGE CURRENT (1080) IN A	0		0	24 100	21	52	
GZ-12 DO YOU USE OR REFER TO TRANSISTOR	67	20				:	
416 GZ-13 DG TGG USE OR REFER TO TRANSISTOR NOTATION SUCH AS	63		001	47 100	00	:	
GA-14 DO YOU USE OR REFER TO TRANSISTOR SUBSTITUTION	33	0	1001	100	5	75	
CURRENT 18	33	0	7 001	27 0	2.1	05	
THE INFORMAT	•	20	001	•	•	:	
THE GENERAL	0	0	0	21 0	13		
USE OR REFER TO TRANS	33	20	-	0 51	2	52	

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AF HUMAN RESOURCES LABORATORY

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PCT HBRS ANSWRNG TES FOR 326X0/92 DAFSC GRPS

PERCENT MEMBERS PERFORMING

TASK GROUP SUMMARY							
PERCENT NEMBERS PERFORMING							
07-15K	SPC 014	5 6 C	245	SPC 010	SPC 019	50 020	SPC 021
CURRENT	0	0	0	•	0	•	0
THANSISTORS USING A FORMULA THAT IS.		,	,	,			
6 449 63-22 DO TOU CALCULATE THE POWER GAIN FOR A SPECIFIC	0	0	0	0	0	0	0
	33	0	001	~	0	•	0
GENERATED WITH LESS COLLECTOR VOLTAGE AS TEMPERATURE 451 63-24 DO YOU COMPUTE THE STATIC OPERATING POINT EQJ OF A	0	0	٥	0	0	0	0
PERATURES	:	c			c	:	
THE ACTUAL CIRCUITRY THE CO	?	>	200	,	-	:	06
ON SCHEMATIC DIAGRAMS AND	33	o	001	30	0	52	90
THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH SELFT 454 63-27 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO	33	0	1 00	27	0	21	05
THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH		,					
ON SCHEMATIC DIAGRAMS AND	33	0	001	27	0	7 1	90
THE ACTUAL CINCUITY THE COMPONENTS ASSOCIATED WITH 456 63-29 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO	33	0	100	30	0	25	50
THE CO	=	c	0		c	2.1	35
THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH							
THE GLANT DO TOU TROUBLESHOOT CIRCUITS WHICH MAYE COMPONENTS	13	D	00	/2	0	7	20
459 63-32 DO YOU TROUBLESHOOT CIRCUITS WHICH MAVE COMPONENTS	33	0	1 00	*	0	33	20
MAICH PERFORM SELF-BIAS STABILIZATION MAD (34-33 DU TOU TROUBLESHOOT CIRCUITS MAICH MAVE COMPONENTS	33	0	001	33	o	2.8	09
	33	0	100	*	0	33	20
WAICH PERFORM FORMARD BIAS DIODE STABILIZATION "42 43-35 DG YOU TROUBLESMOOT CIRCUITS WHICH HAVE COMPONENTS	33	0	001	33	0	56	05
WHICH PERFORM REVERSE BIAS DIODE STABILIZATION *** 63-34 0. YOU TROUBLESHOOT CIRCUITS WHICH MAYE COMPONENTS	3	0	001	27	0	53	25
	33	0	001	7	0	21	52
	:	0	001	*	0	2	05
CAUSES OF AMPLITUDE DISTORTION							

The second secon

H 500 HZ-17 DO YOU USE OR REFER	10 35 ON 100 100 ON	508 12-14 DO 100 OSE ON	887 3-15 DO 100 USE OR	19 13 14 DO YOU HEE OF	495 H2-13 00 TOU	494 H2-12 DO YOU	493 HZ-11 DO YOU WORK WITH	BRIDGE RECT	THE WALL OF THE MONK MITH	TATOR OO TOO HOXE MITH	140	300 00000	H2-07 50 YOU	488 HZ-06 DO YOU	487 H2-05 DO YOU	H2-04 00 YOU	485 HZ-03 00 TOU	484 HZ-02 LO YOU	HZ-01 IN TOUR	482 HI-U6 DO TOU	350 00 401 HI-05 DO 400 USE	480 HI-04 00 YOU USE OR	H1-03 DO YOU USE OR	478 H1-02 DO YOU USE OR	350 00 40-1H 44	AMPLIFIERS	G 476 G3-49 DO YOU TROUBLESHOOT	G 475 G3-48 DO YOU TROUBLESHOOT	DO TOU		63-45 DO YOU	6	471	6 470 63-43 DO YOU NEED TO KNOW THE DEGENERATIVE	CAUSES OF FREQUENCY DISTORTION	6 469 63-42 DO YOU TROUBLESHOOT TRANSISTOR	CAUSES O	6 468 63-41 DO YOU TROUBLESHOO	400	CIRCUITS		DY
EN TO RIPPLE FREQUENCY			ē	;	TO THE TOLL AGE	WORK WITH THREE-PHASE RECTIFIERS	BRIDGE RECTIFIERS		ACT AND ASCIDENCE OF THEM		YENOTE ON KEYLACE POMEN SOLLE COMPONENTS	TRICAR ON TRICAR CONTRACT CONTRACT	SEPLACE COMPLETE POWER SUPPLIES		TROUBLESHOOT TO POWER SUPPLY CIRCUIT LEVEL	ALIGN OR ADJUST POWER SUPPLIES	1	INSPECT POWER SUPPLIES	PRESENT JOB: DO YOU WORK WITH POWER SUPPLIES	ER TO INTEGRATED CIRCUITS		70	70	7	70		OT OR REPAIR CASCADE CONNECTED	OT OR REPAIR COMPOUND-CONNECTED	OR REPAIR	OT OR REPAIR PUSH-PULL AMPLIFIERS	3-45 DO YOU TROUBLESHOOT OR REPAIR PARAPHASE AMPLIFIERS	SUPERIOR OF CHILDREN THE CHARLE OF CHECKEN CONTROL	CIRCUIT CAUSED BY CHANGING EXITYER RESISTANCE FOR	ON THE DEGENERATIVE EFFECTS ON THE	STORTION	OT TRANSISTOR CIRCUITS TO FIND THE		YOU TROUBLESHOOT TRANSISTOR CIRCUITS TO FIND THE	IDENTIFY PHASE DISTORTION FOR TRANSISTOR	TOENTLY FREQUENCY DISTORTION FOR TRANSISTOR		DY-TSK
ر ر		: :			47	67	67		• 7	• 7			6 ;	67	• 7	67	رر	67	67	100	100	67	67	67	į		3	33	33	31	33	,,	;	33		ננ		, .	11	2	;	014
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• 70	:			:	:	•	82			70	20			•	97	:	73	•	8.0	100	100	•	•	30	24		21	-	27	39	21			12		24		24	24	24	:	010
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5 5					•	7	8,				1	: :		9	100	*	75	100	8.8	100	100	50	58	2	2		<u>.</u>	2 1	-	38	17			17		29	,	29	29	29		020
75	15	::		: 6	2	5	75		75	:						8.	.3	75		=		8.8		50			50	13	63		38	67	:	0		13		_	-			021
																POWER SUPPLIES	BOHED CHIRDLE					DEVICES	SPECIAL PURPOSE																			

AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

GPSHIC PAGE 00

PCT MBRS ANSWRNG YES FOR 326x0/92 DAFSC GRPS

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

### ##################################		
SPC		
#2-19 DO 100 USE OR REFER 10 EACH REVERSE [INVERSE] VOLTGE #3 50 100 45 100 44 42-21 00 100 USE OR REFER 10 SAPE OF OUTPUT WAVEFORMS #3 50 100 45 100 44 42-21 00 100 USE OR REFER 10 SAPE OF OUTPUT WAVEFORMS #3 50 100 73 100 73 100 74-2-20 00 100 USE OR REFER 10 SAPE OF OUTPUT WAVEFORMS #3 50 100 73 100 73 100 74-2-20 00 700 USE OR REFER 10 SAPE OF OUTPUT WAVEFORMS #3 50 100 73 100 74-2-20 00 700 USE OR REFER 10 SAPE OF OUTPUT WAVEFORMS #3 50 100 74 100 77 10 77		
## ## ## ## ## ## ## ## ## ## ## ## ##	SPC 021	
##2-21 DO YOU WORK WITH CIRCUITS WHICH EMPLOY CAPACITIVE 67 50 100 67 100 73 100	75	
## ## ## ## ## ## ## ## ### ### ### ##		
## ## ## ## ## ## ## ## ## ## ## ## ##		
	75	
INDUIT L-TPEE FILTERS		
100 100	05	
INPUT (60	
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#2-27 DO YOU WORK WITH CIRCUITS WHICH EMPLOY RC PILTYPE #2-28 DO YOU WORK WITH CIRCUITS WHICH EMPLOY DON'T #2-28 DO YOU WORK WITH CIRCUITS WHICH EMPLOY DON'T #3-29 DO YOU WORK WITH CIRCUITS WHICH EMPLOY DON'T #3-20 DO YOU WORK WITH CIRCUITS WHICH EMPLOY DON'T #3-20 DO YOU WORK WITH OSCILLATORS #3-00 DO YOU WORK WITH OSCILLATORS #3-01 DO YOU WORK WITH OSCILLATORS #3-02 DO YOU WIENOVE OR REPLACE COMPLETE OSCILLATORS #3-04 DO YOU REMOVE OR REPLACE COMPLETE OSCILLATORS #3-04 DO YOU REMOVE OR REPLACE COMPLETE OSCILLATORS #3-05 DO YOU WORK WITH OSCILLATOR COMPONENTS #3-05 DO YOU WORK WITH OSCILLATORS WHICH USE RC TANK #3-17 DO YOU USE OR REFER TO PREQUENCY STABILITY #3-18 DO YOU USE OR REFER TO MERCHANING #3-18 DO YOU USE OR REFER TO MERCHANING #3-19 DO YOU USE OR REFER TO MERCHANI	. 63	
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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

GPSHIC PAGE 70

PCT MBRS ANSWRNG YES FOR 326x0/92 DAFSC GRPS

TASK GROUP SCHMARY

HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND HETERODYNING, MODULATION, AND DEMODULATION AM SYSTEMS ¥ £ 2 2 2 SPC GPSHIC PAGE ~ 4 SPC 017 5PC 016 33 33 1 625 J2-10 00 YOU USE OR REFER TO THE PRINCIPLES OF OPERATION OF ELECTROSTATIC DEFLECTION SYSTEMS OF CATHODE-RAY TUBES

J 625 J2-10 00 YOU USE OR REFER TO AQUADAG COATINGS

J 627 J2-11 DO YOU USE OR REFER TO ELECTRON OPTICS

J 627 J2-11 DO YOU USE OR REFER TO DECAY THES

J 630 J2-15 DO YOU USE OR REFER TO DECAY THES

J 631 J2-16 DO YOU USE OR REFER TO PECAY THES

J 631 J2-16 DO YOU USE OR REFER TO PHOSPHORESCENCE

J 631 J2-16 DO YOU USE OR REFER TO PHOSPHORESCENCE

J 631 J2-16 DO YOU USE OR REFER TO THORESCENCE

J 631 J2-16 DO YOU USE OR REFER TO THE WITECUENTY CONVERTERS

J 631 J2-16 DO YOU WERN TASKS ON FREQUENTY CONVERTERS

J 631 J3-03 DO YOU PERFORM TASKS ON FREQUENTY CONVERTERS

J 631 J3-03 DO YOU PERFORM TASKS ON MACATANE OF SIGNALS

J 632 J3-04 DO YOU USE OR REFER TO THE WITECUENTY WIXERS

J 633 J3-04 DO YOU WERFORM TASKS ON MACATANE OF SIGNALS

J 631 J3-05 DO YOU PERFORM TASKS ON MACATANE OF SIGNALS

J 632 J3-05 DO YOU WERFORM TASKS ON MECEIVE SYSTEMS

K 638 KI-O1 DO YOU WERFORM TASKS ON MECEIVE SYSTEMS

K 638 KI-O1 DO YOU WORK ON AN TRANSHIT OR RECEIVE SYSTEMS

K 641 KI-O4 DO YOU TROUBLESSOOT TO AN TRANSHIT OR RECEIVE SYSTEMS

K 641 KI-O5 DO YOU TROUBLESSOOT TO AN TRANSHIT OR RECEIVE SYSTEMS

K 643 KI-O5 DO YOU TROUBLESSOOT TO AN TRANSHIT OR RECEIVE

COMPONENTS

K 643 KI-O5 DO YOU TROUBLESSOOT TO AN TRANSHIT OR RECEIVE

COMPONENTS COMPONENTS

KI-10 DO TOU PERFORM TASKS ON RF ADELFIFERS

KI-11 DO TOU PERFORM TASKS ON AUDIO AMPLIFIERS

KI-12 DO TOU PERFORM TASKS ON AUDIO AMPLIFIERS

KI-13 DO TOU PERFORM TASKS ON LOCAL OSCILLATORS

KI-14 DO TOU PERFORM TASKS ON LOCAL OSCILLATORS

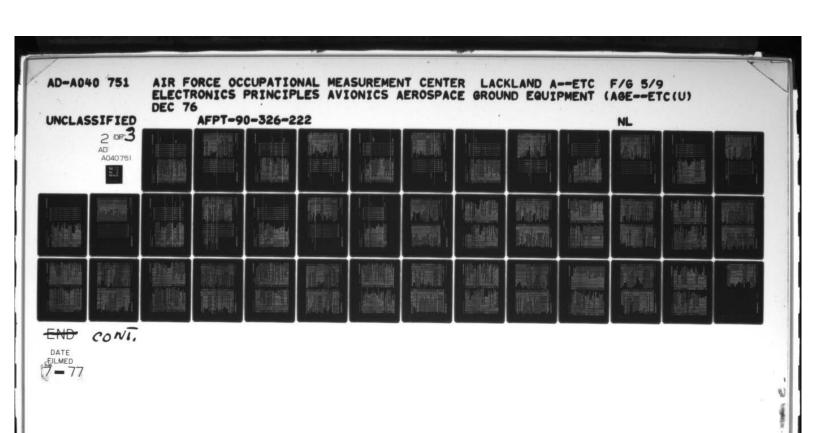
KI-14 DO TOU PERFORM TASKS ON DETECTORS

KI-16 DO TOU PERFORM TASKS ON DOW'T REMEMBER WHICH AM STACE

KI-16 DO TOU PERFORM TASKS ON DOW'T REMEMBER WHICH AM STACE

KI-16 DO TOU USE OR REFER TO AMPLITUDE STABILIZATION IN = SENSITIVITY OF RECEIVERS
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TRANSHITTERS ...
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AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND LOGIC FUNCTIONS BOOL EAN EQUATIONS ç SPC 5PC 020 GPSHIC PAGE SPC 018 ; . = = SPC 017 o 5 P C -SYMBOLS WITH STATE INDICATORS.
L 699 L1-05 DO YOU CONSTRUCT TRUTH TABLES FOR EXCLUSIVE OR LOGIC 704 LI-16 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR AND GATES 705 LI-11 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR OR GATES 706 LI-12 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR MAND OR NOR RELATING TO BOOLEAN EQUATIONS, LUGIC DIAGRANS, OR LOGIC L 709 L2-02 DO YOU DRAW LOGIC SYMBOLS FOR DIRECT COUPLED TRANSISTOR LOGIC (DCTL) CIRCUITS L 710 L2-03 DO TOU CONSTRUCT TRUTH TABLES FOR CURRENT MODE LOGIC L 715 L2-08 DO YOU USE OR MEFER TO LOGIC SYMBOLS FOR DIRECT COUPLED TRANSISTOR LOGIC (DCTL) CIRCUIT GATES
L 716 L2-09 DO YOU USE OR REFER TO TRUTH TABLES FOR CURRENT MODE L 703 L1-09 DO YOU USE OR REFER TO TRUTH TABLES FOR EXCLUSIVE OR RELATING TO LOGIC FUNCTIONS L 696 L1-02 DO YOU CONSTRUCT TRUTH TABLES FOR AND LOGIC STMBOLS LOGIC (CML) CIRCUITS
L 717 L2-10 DO YOU USE OR REFER TO LOGIC DIAGRAMS COMSISTING OF L2-11 DO YOU COMPUTE SUM AND CARRY EXPRESSIONS FOR SERIAL MALF OR FULL ADDER 1041C DIAGRAMS GATES CATES TO YOU USE OR REFER TO LOGIC SYMBOLS FOR EXCLUSIVE OR GATES L 697 L1-03 DO YOU CONSTRUCT TRUTH TABLES FOR OR LOGIC STMBOLS L 712 L2-05 DO TOU MEASURE IMPUTS OR OUTPUTS OF LAGIC GATES
L 713 L2-06 DO TOU DEVELOP OR AMALYZE BOOLEAN EQUATIONS IN THE
PROCESS OF TROUBLESHOOTING DIGITAL CIRCUITS
L 719 L2-07 DO TOU AMALYZE LOGIC CIRCUITS BY USING BOOLEAN SYMBOLS OR GATES
L 701 KI-07 DO YOU USE OR REFER TO TRUTH TABLES FOR OR LOGIC
SYMBOLS OR GATES
L 702 KI-08 DO YOU USE OR REFER TO TRUTH TABLES FOR AND OR DR OR GATES
OR GATES
LI-04 DO YOU CONSTRUCT TRUTH TABLES FOR AND OR OR LOGIC SYMBOLS OR GATES
700 L1-06 DO YOU USE OR REFER TO TRUTH TABLES FOR AND LOGIC L 711 LZ-04 DO YOU DRAW LOGIC DIAGRAMS FROM GIVEN BOOLEAN K 694 K3-10 DO YOU ADD OCTAL NUMBERS TO GET A SUM L 895 LI-UT IN YOUR PRESENT JOB. DO YOU PERFORM ANY TASKS OR GATES

- 708 [2-01 IN TOUR PRESENT JOB: DO YOU PERFORM ANY TASKS PCT MBRS ANSWRNG TES FOR 326x0/92 DAFSC GRPS INDICATORS DY-15K LOGIC SYMBOLS WITH STATE TASK GROUP SUMMARY PERCENT MEMBERS PERFORMING HORE THAN ONE GATE CHL) CIRCUITS LOGIC SYMBOLS EQUATIONS

SERIAL OF COUNTERS FEEDING A PARALLEL STORAGE REGISTER L 748 L3-16 DO TOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF SHIFT REGISTERS	L 747 L3-15 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF	L 746 L3-14 DC TOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF	L 745 L3-13 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF	TOU TRACE DATA FLOW	743 L3-11 DO YOU	742 L3-10 DO YOU USE OR REFER TO	741 L3-09 DO YOU USE OR REFER TO	740 L3-08 DO YOU USE OR REFER TO	L3-07 DO YOU USE OR REFER	718 3-06 OF YOU HER OR BEEFE TO		THE LUTER OF THE USE OF REFER TO	L3-UZ DO TOU USE OR REFER TO	733 L3-01 DO TOU WORK WITH DIGITA	LOGIC SYMBOLS		FLOP SCHEMATIC DIAGRAMS	L 731 L2-24 DO YOU TRACE DATA FLOW THROUGH COMPLEMENTING FLIP*	/30 L2-23 00 10U	L2-22 00	SYMBOLS		SE OR REFER TO	L2-19 DO YOU USE OR REFER TO	725 L2-18 DO YOU USE OR REFER TO	SYMBOLS	L 724 L2-17 DO YOU USE OR REFER TO SINGLE-SHOT MULTIVIBRATOR	L 723 LZ-16 DO YOU USE OR REFER TO FLIP-FLOP MULTIVIBRATOR	MULTIVIBRATORS	722 LZ-15 DO YOU WORK WITH	00	L 720 L2-L3 DO YOU WORK WITH ASTABLE IFREE RUNNING	LOGIC DIAGRAMS	719 2-12 DO YOU TRACE DATA FLOW THROUGH PARALLEL FULL ADDER	DY-TSK	
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AF HUMAN RESOURCES LABORATORY

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PCT MBRS ANSWRAG TES FOR 326x0/92 DAFSC GRPS

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND TIMING CIRCUITS USE OF SIGNAL GENERATORS * : SPSHIC PAGE SPC 018 . -* 5PC 5PC 010 .000 -L 755 L3-23 OO TOU DEFERNINE THE STATE OF EACH FLIP-FLOP IN RING COUNTERS FOR SPECIFIC INPUT PULSES

L 3-24 DO TOU DETERRINE THE APPROPRIATE AND GATE NECESSARY

L 3-24 DO TOU DETERRINE THE APPROPRIATE A REQUIRED COUNT

H 757 HI-01 DO TOU WORK WITH SAMTOOTH WAVE GENERATORS

H 758 HI-02 DO TOU WORK WITH TRAPEZOIDAL WAVE GENERATORS

H 759 MI-03 DO TOU WORK WITH PULSED OSCILLATORS WITH REGENERATIVE L 749 L3-17 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF OTHER TYPE OF COUNTERS
L 750 L3-18 DO YOU COMPUTE THE BINARY COUNT AFTER SPECIFIC INPUT PULLES FOR UP-COUNTERS HAVING COMPLEMENTED FLIP-FLOPS
L 751 L3-19 DO YOU COMPUTE THE BINARY COUNT AFTER SPECIFIC INPUT PULSES FOR SERIAL UP- OF BONN-COUNTERS HAVING COMPLEMENTL 752 L3-20 DO YOU COMPUTE THE BINARY COUNT AFTER SPECIFIC INPUT PULSES FOR SERIAL UP- OF BINARY COUNT AFTER SPECIFIC INPUT USE OR REFER TO RISE TIME USE OR REFER TO FALL OR FLYBACK TIME USE OR REFER TO SNEEP TIME USE OR REFER TO ELECTRICAL LENGTH OF SAWTOOTH MAYEFORMS
H 75V M2-01 DO YOU USE SIGNAL GENERATORS IN YOUR PRESENT JOB
H 770 M2-02 DO YOU PERFORM OPERATIONAL CHECKS WHILE USING SIGNAL 753 L3-21 DO YOU COMPUTE THE BINARY COUNT AFTER SPECIFIC INPUT PULSES FOR OTHER TYPES OF COUNTERS
754 L3-22 DO YOU CONSTRUCT TRUTH TABLES FROM LOGIC DIAGRAMS OF DECADE COUNTERS MAVEFORMS H 766 HI-10 DO TOU USE OR REFER TO PHYSICAL LENGTH OF SANTOOTH H 771 HZ-03 DO YOU PERFORM PERIODIC MAINTENANCE SUCH AS ADJUSTING, ALIGNANG, OR CALIGNATING WHILE USING SIGNAL TYZ HZ-04 DO YOU TROUBLESHOOT TO AN ASSEMBLY OR SUBASSEMBLY WHILE USING SIGNAL GENERATORS
H 773 HZ-US DO TOU TROUBLESHOOT TO THE SHALLEST REPLACEABLE
COMPONENT WHILE USING SIGNAL GENERATORS H 767 HI-11 DO YOU USE OR REFER TO LINEAR SLOPE OF SANTOOTH A 768 HI-12 DO YOU USE OR REFER TO GATE LENGTH OF SAWTOOTH H 760 MI-04 DO YOU WORK WITH PULSED OSCILLATORS WITHOUT DO YOU WORK WITH BLOCKING OSCILLATORS MZ-06 DC TOU USE AUDIO SINE-MAVE GENERATORS PCT MBRS ANSWRNG YES FOR 326x0/92 DAFSC GRPS REGENERATIVE FEEDBACK PERCENT MEMBERS PERFORMING YOU USE 00 400 GENERATORS WAVEFORMS MAVEFORMS FEEDBACK #1-08 po H 761 H1-05 HI-07

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					MECHANICAL FORCE OR TORQUE CREATED BY A MOTOR
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AF HUMAN RESOURCES LABORATORY

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MBRS ANSWRNG YES FOR 326x0/92

DAFSC GRPS

PERCENT HEMBERS PERFORMING

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AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND PULSE MODULATION SYSTEMS SPC 5PC a ? SPC GPSHIC PAGE 0 1 8 ~ ~ ~ 5PC 017 a 5PC c SPC 014 c PULSE-CODE MODULATION (PCM) SYSTEMS LINE PULSING MODULATION SYSTEMS DON'T REMEMBER WHICH TYPE OF REMOVE OR REPLACE PULSE MODULATION SYSTEMS REMOVE OR REPLACE PULSE MODULATION SYSTEM O 873 01-29 00 YOU TRACE SIGNALS OR CURRENT PATHS THROUGH SSB TRANSMITTER SCHEMATIC DIAGRAMS
O 874 01-30 DO YOU TRACE SIGNALS OF CURRENT PATHS THROUGH SSB RECEIVER SCHEMATIC DIAGRAS
O 875 02-01 DO YOU WORK ON PULSE HODULATION SYSTEMS IN YOUR TRANSHITTER TUBES OF PULSE MODULATION SYSTEM 02-22 00 TOU PERFORM TASKS ON PULSE MODULATION SYSTEM POWER SUPPLIES
02-16 DO YOU PERFORM TASKS ON PULSE NODULATION SYSTEM
CHARGING CHOKES AND CHARGING DIODES FREQUENCY CONVERTERS

0 848 02-24 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM

1F AMPLIFIERS

0 849 02-25 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM CLEAN PULSE MODULATION SYSTEMS
ALIGN PULSE MODULATION SYSTEMS
TROUBLESHOOT TO PULSE MODULATION SYSTEMS
TROUBLESHOOT TO PULSE MODULATION SYSTEM CHARGING CHOKES AND CHARGING DIODES 02-17 DO TOU PERFORM TASKS ON PULSE MODULATION SYSTEM PULSE FORMING NETWORKS 02-18 DO TOU PERFORM TASKS ON PULSE MODULATION SYSTEM TIMERS OZ-19 DO TOU PERFORM TASKS ON PULSE MODULATION SYSTEM SWITCHES SUCH AS GAS THYRATRONS 02-20 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM PULSE TRANSFORMERS OF THE HODULATION SYSTEM AMPLIFIERS 02-23 DO TOU PERFORM TASKS ON PULSE MODULATION SYSTEM WORK ON PULSE-AMPLITUDE MODULATION (PAM) HODULATION SYSTEM 889 02-15 DO YOU PERFORM TASKS ON PULSE HODULATION SYSTEM YOU WORK ON PULSE-DURATION HODULATION (PDM) YOU WORK ON PULSE-POSITION MODULATION (PPM) INSPECT PULSE MODULATION SYSTEMS PCT MBRS ANSWRNG YES FOR 326x0/92 DAFSC GRPS DY-TSK YOU WORK ON YOU WORK ON L PERCENT HEMBERS PERFORMING 05-08 DO YOU COMPONENTS COMPONENTS DETECTORS 07-10 00 05-11 00 SYSTEMS SYSTEMS PRESENT SYSTEMS 02-12 02-02 05-06 05-03 05-04 05-05 1-20 0 807 * 8 8 168 0 0 843 9 8 94 068 0 0 692

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AF HUMAN RESOURCES LABORATORY

GPSHIC PAGE 80

PCT MBRS ANSWRWG TES FOR 326x0/92 DAFSC GRPS

TASK GROUP SUMMARY

GPSHIC PAGE 81 AIR FORCE SYSTEMS COMMAND

PCT MBRS ANSWRNG YES FOR 326X0/92 DAFSC GRPS

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AF HUHAN RESOURCES LABORATORY

GPSHIC PAGE 82

PCT MBRS ANSWRNG YES FOR 326X0/92 DAFSC GRPS

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YOU USE OR REFER TO	P3-03 00	P3-02 DO YOU USE OR REFER TO	- 8	RESONATORS	THE METHOD OF TUNING THE FREQUENCY OF SIGNALS IN CAVITY	111	PZ-48 DO YOU TUNE CAVITY RESONATORS	PZ-47 DO YOU TUNE CAVITY	DO YOU TUNE CAVITY RESONATORS TO	PIO28 P2-45 ARE DON'T REMEMBER THE KIND OF JOINTS USED IN	RESONATORS TOU WORK WITH	ED IN WAVEGUIDES OR CAVITY	VAVEGUIDES OR CAVITY RESONATORS WITHOUT REFERRING TO	PIOZ4 PZ-41 DO TOU DETERMINE THE POSITIONING OF LOOPS IN	MAYEGUIDES OR CAVITY RESONATORS WITHOUT REFERRING TO	ON WAVEGUIDES OR CAVITY RESONATORS YOU WORK WITH		PIOZI PZ-38 ARE APERTURES (MINDONS OR PRISES) USED ON WAVEGUIDES		RESONATORS TOU MORK WITH	THE CIMES IN MAYEGUIDES USED ON MAYEGUIDES OR CAVITY	HAVEGUIDES OF REFER TO THE SPACE QUADRATURE OF "E" OR	PIOIS P2-33 DO YOU HEASURE THE TIME PHASE OF "E" OR "H" LINES IN	PIOIS P2-32 DO YOU USE OR REFER TO THE TIME PHASE OF PEAK "E" OR	PIGIT PZ-31 DO YOU USE THE RIGHT HAND RULE TO DETERMINE THE	DY-15K
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AF HUMAN RESOURCES LABORATORY

GPSHIC PAGE 84

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TASK GROUP SUNHARY PERCENT MEMBERS PERFORMING

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TASK GROUP SUMMARY PERCENT MEMBERS PERFORMING						
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P3-13 DO YOU WORK WITH	0	0	0		0	0
P3-14 DO YOU WORK WITH	0	0			-	1.3
P3-15 DO YOU INSPECT KLYSTRONS	0	0			æ	•
P3-16 DO YOU CLEAN KLYSTRONS OR TH'	0	0	0	0	0	13
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AMPLIFIERS						
PID61 P3-28 DO YOU TROUBLESHOOT PARAMETRIC AMPLIFIERS	0	0	0	0	•	0
00 00 47-54	0	0			0	•
PIGGS P3-30 DO YOU REMOVE OR REPLACE PARAMETRIC AMPLIFIER	0	0	0	0	0	0
COMPONENTS						
P3-31 DO YOU	0	•	0 12		-1	•
	0	0			•	0
P3-33 00 TOU	0				•	
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P3-36 DO YOU	0	0			•	0
P3-37 00 TOU	0	0			•	0
P3-38 DO YOU REMOVE OF REPLACE MAGNETRON COMPONENTS	0	0			0	0
PICYZ P3-39 DO TOU USE OR REFER TO THE OPERATING PRINCIPLES OF	0	0	0		•	•
TWO-CAVITY KLYSTRONS COLLECTOR PLATES						
PIG73 P3-40 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF	0	0		0	•	0
THO-CAVITY KLYSTRONS CATCHER CAVITIES						
PIOT4 P3-41 DO TOU USE OR REFER TO THE OPERATING PRINCIPLES OF	•	•	•	•		

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND

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P3-72 DO YOU PERFORM TAXES ON CONFLINE CLOSES P3-74 DO YOU PERFORM TAXES ON CONFLINE CLOSES P3-75 DO YOU PERFORM TAXES ON RESONANT CLOSES P3-75 DO YOU PERFORM TAXES ON ACAMETES P3-75 DO YOU USE OR REFER TO GAIGT PROBLES OF STORAGE P3-75 DO YOU USE OR REFER TO LOGIC STABOLS OF STORAGE P4-70 DO YOU YEACE THE DATA FLOW THROUGH LOGIC DIAGRAMS OF 100 100 100 91 100 92 88 P4-105 DO YOU TRACE THE DATA FLOW THROUGH LOGIC DIAGRAMS OF 100 100 100 91 100 92 88 P4-105 DO YOU TRACE THE DATA FLOW THROUGH LOGIC DIAGRAMS OF 100 100 100 91 100 92 88 P4-105 DO YOU TRACE THE DATA FLOW THROUGH LOGIC DIAGRAMS OF 100 100 100 91 100 92 88 P4-105 DO YOU TRACE THE DATA FLOW THROUGH LOGIC DIAGRAMS OF 100 100 100 91 100 92 88 P4-105 DO YOU TRACE THE DATA FLOW THROUGH LOGIC DIAGRAMS OF 100 100 100 91 100 92 88 P4-105 DO YOU USE OR REFER TO MAGNETIC DRUNS P4-105 DO YOU USE OR REFER TO MAGNETIC TARES P4-105 DO YOU USE OR REFER TO MAGNETIC TARES P4-105 DO YOU USE OR REFER TO MAGNETIC TARES P4-105 DO YOU USE OR REFER TO MAGNETIC TARES P4-105 DO YOU USE OR REFER TO WAGNETIC TARES P4-105 DO YOU USE OR REFER TO WAGNETIC TARES P4-105 DO YOU USE OR REFER TO WAGNETIC TARES P4-105 DO YOU USE OR REFER TO WAGNETIC TARES P4-105 DO YOU USE OR REFER TO WAGNETIC TARES P4-105 DO YOU USE OR REFER TO WAGNETIC TARES P4-105 DO YOU USE OR REFER TO WAGNETIC TARES P4-105 DO YOU USE OR REFER TO WAGNETIC TARES P4-105 DO YOU USE OR REFER TO WAGNETIC TARES P4-105 DO YOU USE OR REFER TO WAGNETIC TARES P4-105 DO YOU USE OR REFER TO WAGNETIC TARES P4-105 DO YOU USE OR REFER TO WAGNETIC TARES P4-105 DO YOU USE OR REFER TO WAGNETIC TARES P4-105 DO YOU USE ON REFER TO WAGNETIC TARES P4-105 DO YOU USE ON REFER TO WAGNETIC TARES P4-105 DO YOU USE ON REFER TO WAGNETIC TARES P4-105 DO YOU	TASKS ON ANODES				
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#EMORY STSTEMS	REFER TO MAGNETIC TAPES			2	
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43-51 IN FOUR PRESENT JOB: DO YOU WORK WITH DIGITAL-10 100 100 100 97 100 100 68 ANALOG (D/A) CONVERTERS, ANALOG-TO-DIGITAL (A/D) Q3-62 OO YOU COMPUTE OUTPUT VOLTAGES FOR ELECTROMECHANICAL 33 SO 0 33 100 36 13 Q1-6174-TO-ANALOG (D/A) CONVERTERS FOR GIVEN IMPUT 33 SO 0 27 100 20 13	67 50			200	
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COLUMN THE PERSON OF THE PERSO	RAL RULE	1 12	00 24	2	AMALOG CONVERTERS
TELECTRONICAL DIGITAL CONTROL					

								CIRCUIT OPERATION
	0	17	100	15	0	0	0	SIISS 3-06 DO YOU USE SERVOS IN CONJUNCTION WITH CHOPPER
	0	•	100		0	0	0	RELATIONSHIPS
(CINOTECE CINCOLO)	0		100	•	0	0	0	STOUT OF THE USE OR REFER TO
(CHODDED CIDCHITS)	0	•	100	•	0	0	0	S3-03 DO TOU MEASURE VOLTAGE-
CANCILLO MIROATIONS	0		001	•	0	0	0	53-02 DO TOU
	13	12	100	12	0	0	0	S3-UT IN YOUR PRESENT
PHOTO SENSITIVE DEVICES	25 P	36	001	36	0	50	ננ	SZ-01 00 YOU WORK WITH PHOTO
				1				BOCLEAM ALGE
DEALCES	8	5	100	52	0	100	67	SILES SILOS DO TOU ANALYZE NIXIE LIGHT DECODER SYSTEMS USING
INPUT/OUTPUT	:	92	100	9_	100	100	100	SILAT SI-62 DO YOU PERFORM ANY TASKS ON NIXIE LIGHTS OR NIXIE
					-			VISUAL READOUT SYSTEMS
	35		00	-	000	0	100	51-01
	2	70	000	82	100	100	100	RILAS HI-UZ DO TOU FARRICATE COAXIAL CARLES
CABLE FABRICATION		71	100	7.	100	100	100	Z
	50	42	100	45	100	50	67	00
	3.6	38	100	34	100	80	67	SCHEMATIC DIAGRAMS
SCHMITT TRIGGERS				:		:		CIRCUITS
	50	42	100	45	100	50	67	- 1
PHANIASIRONS		c						PRESENT
	,		,				,	DITAG RITAG AND ELORS FIRE DELETARIDOR DIRECTOR IN COLD
	0	42	100	3.3		0	0	
								CONVERTERS
	25	.	00	42	0	100	67	GIIJB QJ-IJ DO TOU USE OR REFER TO DIGITAL FUNCTION OF A/D
	25	40	100	42	0	100	67	GILLY GATIZ DO TOU USE OR REFER TO COMPARE FUNCTION OF A/O
								CONVERTERS
	ะ	*	00	39	0	100	67	GILDS QUALIT DO YOU USE OR REFER TO HOLD FUNCTION OF A/D
	1	40	100	39	0	100	67	CONCERNATION OF A CONCERNATION
								ON VARIABLE TIM
	ະ	38	100	33	100	0	33	PERFORM DON'T RE
								TIME ANALOG-TO-DIGITAL (A/D)
	_	*	00	30	0	0	0	GILL GILDS DO TOU PERFORM DIGITIZE FUNCTION TASKS ON VARIABLE
	-	1	100	30	•		0,	THE ANALOGUE TO TOTAL CONTINUE
			5	:	,	5		DESCRIPTION CONVERTER CIRCUITS
	נ	42	100	36	0	100	67	GII31 43-06 DO YOU PERFORM HOLD FUNCTION TASKS ON VARIABLE TIME
				1				TO-DIGITAL (A/D) CONVERTER CIRCUITS
	ī	42	100	36	0	00	67	GILLO AU-05 DO YOU PERFORM SAMPLE FUNCTION TASKS ON VARIABLE TIME
	25	36	100	36	100	50	67	O YOU COMPUTE ANALOG VOLTAGES FOR GIVE
		4		-			0	5
	SPC	SPC	SPC	SPC	SPC	345	SPC	DY=75x

AF HUMAN RESOURCES LABORATORY

GPSHIC PAGE 88

PCT MBRS ANSWRNG YES FOR 326X0/92 DAFSC GRPS

PERCENT HEMBERS PERFORMING

PCT MBRS ANSWRNG YES FOR 326X0/92 DAFSC GRPS		SPSHIC	HIC PAGE	9E 89		AF HUP AIR	HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND
TASK GROUP SUMMARY PERCENT MEMBERS PERFORMING							
0 y = T S K	SP.0	SPC 51	SPC SPC 017 018	SPC 8 019	SPC 020	SPC 021	
	0	0	0 12	100	•		
YOU USE	0	0	0	2 100	2		
CHOPPER CINCUIT OPERATION S1158 S1-09 DO TOU USE COMPARISON CIRCUITS IN CONJUNCTION WITH	0	0	0	2 100	2	:	
TIIS9 TI-01 DOES YOUR PRESENT JOB INVOLVE ANY TASKS DEALING WITH	63	100	0	0	0	0	
	0	0			0	0	
11-03 00 700	0	0			0	0	TNERARED
TILES TITUS DO TOU ADJUST OR CALIBRATE INFRANCO SYSTEMS	0 6	0 0	0 0	00	0 0	0 0	
T1-06 00 40-1T	330	20			9 9		
SYSTEMS TII65 TI-07 DO VOU TROUBLESHOOT MAJOR ASSEMBLIES OF INFRARED	67	100		0	•	0	
SYSTEMS TILES TI-08 DG YOU TROUBLESHOOT DOWN TO THERERED SYSTEM	33	20		0	c	a	
COMPONENT PARTS TI-09 DO YOU REMOVE OR REPLACE MAJOR ASSEMB		001			• •		
~	33	20		0	٥	۰	
COMPONENT PARTS	c				•		
TI-12 00 YOU USE OR REFER TO	0				0		
TIIT I I - I DO TOU USE OR REFER TO NEAR REGION	00	0 0			0 0	0 0	
TI-15 DO YOU USE OR REFER TO					•	• •	
TI-16 DO YOU USE OR REFER TO	33	20		0	0	0	
TIINS TI-IN DO TOU USE OR REFER TO ABSORPTION	33	20			0	0 0	
TI-19 DO YOU USE OR REFER TO ABSOLUTE	33	20			0	0	
TI-20 00 YOU PERFORM TASKS ON BLITZ	0	0			0	0	
TI-21 DO YOU PERFORM TASKS ON TARGET	0	0			•	0	
TIME TIMES DO TOU PERFORM TAKES ON EMECTOR LENSES	0 0				0 0	0 0	
TI-24 DC YOU PERFORM TASKS ON CORRECT	0	0			0	0	
TI-25 DO YOU PERFORM TASKS ON	0	0			•	0	
	0 0	0 0			0 (0 0	
TZ-01 DOES TOUR PRESENT JOB INVOLVE				1	90		
LASERS							
T2-02 DO TOU	0	0			0	•	
TITES TA-DE DO TOU CLEAR LANGE SYSTEMS	0 0	0 0	0 0	0 0	0 0	0 0	LASERS
T2-05 DO YOU OPERATE LASER SYSTEMS					•		
100					•	,	

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GPSHIC PAGE

PCT HBRS ANSWRNG YES FOR 326X0/92 DAFSC GRPS

TASK GROUP SUMMARY PERCENT MEMBERS PERFORMING

SPC 021

5PC 020

SPC 019

SPC 018

5PC 017

SPC 016

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PROGRAMMING

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U1235 U1-02 DO YOU USE OR REFER TO DECIMAL SYSTEMS
U1236 U1-03 DO YOU USE OR REFER TO PROGRAMS
U1237 U1-03 DO YOU USE OR REFER TO PROGRAMS
U1238 U1-05 DO YOU USE OR REFER TO 8-4-2-1 SYSTEMS
U1238 U1-05 DO YOU USE OR REFER TO 8-4-2-1 SYSTEMS
U1238 U1-05 DO YOU USE OR REFER TO 8-4-2-1 SYSTEMS
U1240 U1-07 DO YOU USE OR REFER TO BINARY SYSTEMS
U1242 U1-07 DO YOU USE OR REFER TO DATA WORDS
U1244 U1-11 DO YOU USE OR REFER TO ADDRESS WORDS
U1244 U1-12 DO YOU USE OR REFER TO ADDRESS/SUBADDRESS
U1245 U1-12 DO YOU USE OR REFER TO STEERING/INFORMATION
U1244 U1-13 DO YOU USE OR REFER TO STEERING/INFORMATION
U1245 U1-12 DO YOU USE OR REFER TO STEERING/INFORMATION
U1245 U1-13 DO YOU USE OR REFER TO STEERING/INFORMATION
U1245 U1-15 DO YOU PERFORM TASKS ON STORAGE DEVICES
U1250 U1-15 DO YOU PERFORM TASKS ON STORAGE DEVICES
U1251 U1-10 DO YOU PERFORM TASKS ON CONTROL SECTIONS
U1253 U1-20 DO YOU PERFORM TASKS ON OUTPUT DEVICES
U1253 U1-20 DO YOU PERFORM TASKS ON OUTPUT DEVICES
U1253 U1-20 DO YOU PERFORM TASKS ON OUTPUT DEVICES
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T1228 T3-09 DO TOU PERFORM TASKS THAT HAKE IT NECESSARY TO NAME
T1229 T3-10 DO TOU PERFORM TASKS ON FLOOD GUMS
T1230 T3-11 DO TOU PERFORM TASKS ON ATTACK GUNS
T1231 T3-12 DO TOU PERFORM TASKS ON ATTACK GUNS
T1233 T3-14 DO TOU PERFORM TASKS ON STORAGE GRIDS
T1233 T3-14 DO TOU PERFORM TASKS ON STORAGE GRIDS
U1234 UT-UT IN TOUR PRESENT JOB: DO TOU PERFORM ANY PROGRAMMING

DY-15K

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DB AND POWER RATIOS

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ATTENUATION UZ-GZ DO TOU USE LOGARITHMS TO COMPUTE OUTPUT POWER IN DECIBELS
UZ-03 DO TOU USE LOGARITHMS TO COMPUTE ATTENUATION

95210

DECIBELS

AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND

TASKS

UNITED STATES AIR FORCE

JOB INVENTORY FOR INTEGRATED AVIONICS (326X0/X1/X2)

A3-00 DO YOU REMOVE OR REFER TO TEMPERATURE COEFFICIENTS A3-07 DO YOU USE OR REFER TO TEMPERATURE COEFFICIENTS	90 400	00 YOU	DO TOU CLEAN RESISTORS	AUTO DO TOU MORK WITH RESISTORS IN TOUR PRESENT JOBS	00 400	DO YOU USE THE TERM	DO YOU USE THE TERM	DO YOU USE THE TERM ANDERS.	AZ-05 DO TOU USE THE TERM DINE.	DO TOU OVE THE TERM	DO TOU USE THE TERM	DO YOU USE THE TERM	YOU SOLVE OR USE PROPORTIONS.	AITE DO YOU SOLVE OR USE SIMULTANEOUS EQUATIONS.	AREAS OF CIRCLES OR TRIANGLES.	NINE, COVINE, OR TARGENT.	A 1-11 DO TOU WORK WITH TRIGONOMETRIC FUNCTIONS SUCH AS	OR SUBTRACTING TWO VECTORS.	AI-10 DO YOU WORK WITH VECTOR QUANTITIES, SUCH AS ADDING A	TO THE COMMITTED STORM WITH CORPS THE MONDEY CONTRACTOR AS		AI-08 DO YOU SOLVE QUADRATIC EQUATIONS.	2	DO YOU USE LOCARITHM TABLES IN ANY TYPE OF	0 0	100	00	USEFUL WAY ON THE JOB.	YOU CAN APPLY THE INFORMATION FROM THE PUBLICATION IN A A	FOR YOU TO MULTIPLY OR DIVIDE BY A POWER OF 10 BEFORE	ORDER ON MAINTENANCE MANUAL. IN MEICH IT IS MECESSARY	ATTENDATE A VOLTAGE, RESISTANCE, ETC., BY POWERS OF 10.	AT-DI OD TOU USE AN INSTRUMENT. SUCH AS METER OR AN		REGISTANCE DIRECT CURRENT, VOLTAGE, AND
RESISTIVE CIRCUITS.	PARALLE	50 A3-27 DO TOU CALCULATE INDIVIDUAL BRANCH CURRENTS FOR	PARALLEL RESISTIVE CIRCUITS.		48 A3-25 DO YOU CALCULATE TOTAL CURRENT FOR PARALLEL		47 A3-24 DO YOU CALCULATE TOTAL RESISTANCE FOR PARALLEL	PARALLEL RESISTIVE CIR	A 44 JUNE TO TOU CALCULATE POWER DISSIPATION FOR SERIES	SEDITS DADITIES DESCRIPTIVE CIDENTIFE CONNEXTS FOR		44 13-21 DO YOU CALCULATE INDIVIDUAL VOLTAGE DROPS FOR	PARALLEL RESISTIVE CIR	4	PARALLEL RESISTIVE CIR	SERIES RESISTIVE CIRCUITS.	41 A3-18 DO YOU CALCULATE	SERIES RESISTIVE CIRCUITS.	90	RESISTIVE CIRCULATE TOTAL CONTENT FOR SERVES	RESISTIVE CIRCUITS.	38 A3-15 DO YOU CALCULATE TOTAL RESISTANCE FOR SERIES	FUSE, CONDUCTOR, LAMP OR SWITCH.		ACTION OF THE REFER TO THE SCHEMATIC SYMBOLS WHICH	CHIEVE A SPECIFIC VOLTAGE MUST BE CONNECTED TOGETHER TO	36 A		35 A	THE TOLERANCE OF RESISTORS.	34 A3-11 DO YOU USE RESISTOR COLOR CODES WHICH INDICATE	POTENTIONETER.		32 A3-09 DO YOU IDENTIFY OR CLASSIFY THE RESISTORS YOU	IN AU-OB OF YOU USE OR REFER TO RESISTOR STMBOLS, SUCH AS

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INDUCTORS IN PARALLEL. B B B - 19 DO YOU CALCULATE THE TO INDUCTORS IN SERIES-PARALLEL B B B - 20 DO YOU USE OR REFER TO CURRENT LAGS YOLTAGE IN DUCT B B B - 22 DO YOU USE OR REFER TO B B B - 22 DO YOU USE OR REFER TO FREQUENCY. B B - 23 DO YOU WORK WITH POWER	B 90 B3-24 DO TOU WORK WITH AUDIO FREQUENCY INDUCTORS. 8 91 B3-25 DO TOU WORK WITH RADIO FREQUENCY INDUCTORS. C CAPACITORS, CAPACITIVE REACTANCE, TRANSFORMERS. AND MAGNETISM	CONTAIN DO	97 C1-06 D0 Y0U 98 C1-07 D0 Y0U 99 C1-09 D0 Y0U 1N A D1ELECT			CIII CI-20 DO YOU CALCULATE CAPACITANCE FOR A PARTICULAR CAPACITOR USING FORMULAS. CIIZ CI-21 DO YOU USE OR REFER TO THE GENERAL RULE THAT THE CAPACITANCE OF A CAPACITOR IS DIRECTLY PROPORTIONAL TO THE DIELECTRIC CONSTANT. CAPACITANCE OF A CAPACITOR IS INVERSELY PROPORTIONAL CAPACITANCE OF A CAPACITOR IS INVERSELY PROPORTIONAL TO THE DIELECTRIC THICKNESS. CII4 CI-23 DO YOU CALCULATE THE TOTAL CAPACITANCE OF CAPACITORS IN SERIES. CII5 CI-24 DO YOU CALCULATE THE TOTAL CAPACITANCE OF
HULTINETER CURRENT: 2 81-01 DO 3 81-02 DO 4 81-03 DO 5 81-05 DO 7 61-05 DO	SA B1-07 DO YOU USE A MULTIMETER. 59 81-08 DO YOU DIRECTLY USE A QUANTIT A COULCHB. 60 81-09 DO YOU READ SCHEMATICS. 61 82-01 DO YOU USE OR REFER THE TERM (RMS).	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	INDUCTORS, CHOKES, OR CHOKE C. 68 83-02 DO YOU INSPECT INDUCTORS 69 83-03 DO YOU CLEAN INDUCTORS, 70 83-04 DO YOU ABJUST INDUCTORS, 71 83-05 DO YOU USE OR REFLACE 72 H3-06 DO YOU USE OR REFLACE	83-68 DO YOU USE ON REFER 83-68 DO YOU USE ON REFER 83-10 DO YOU USE ON REFER 1NOUCTORS.	INDUCTORS. 18 3-12 DO TOU USE OR REFER TO THOUGHOUSE OF TURNS OF THE COLLY. 19 83+13 DO TOU USE OF REFER TO THOUGHOUSE OF A COLLY.	CROSS SECTIONAL AREA OF THE CONE. 9 30 93-14 DO TOU USE OR REFER TO THE GENERAL RULE THAT THE INDUCTANCE OF A COIL IS INVERSELY PROPORTIONAL TO ITS LENGTH. 8 81 83-15 DO TOU USE OR REFER TO THE GENERAL RULE THAT THE INDUCTANCE OF A COIL IS DIRECTLY PROPORTIONAL TO THE PERREABILITY OF THE CORE MATERIAL. 8 82 83-16 DO TOU CALCULATE INDUCTANCE FOR A PARTICULAR INDUCTOR USING FORMULAS. 8 83 83-17 DO TOU CALCULATE THE TOTAL INDUCTANCE FOR INDUCTORS IN SERIES.

BY MEASURING OUTPUT VOLTAGES.	TOR SECRETED HINDINGS	CITY CZ=20 DO TOU CHECK TRANSFORMERS FOR SHORTED WINDINGS CITY	CITS (ATIV DO TOU CHECK TRANSFORMERS FOR OPEN BINDINGS BY	TRANSFORMER.	CZ-18 DO YOU WORK WITH DON'T	C2-17 DO YOU SORE MITH RADIO FREQUENCY TRANSFORMERS.	CZ-16 DO YOU WORK WITH AUDIO	C2-15 DO YOU HORK MITH POWER TRANSFORMERS.	CZ-14 DO YOU WORK WITH AUTOTRANSFORMERS.	TRANSFORMERS.	ATE IMPEDANCE INTERACTIONS FOR	AITH TRANSFORMERS.	CIST CZ-12 DO YOU REFER TO REFLECTED INPEDANCE WHEN WORKING	COLD CORRECT OR COLD THOSE RETURNS	THE TOTAL TO		CZ-09 DO TOU USE THE STHBOL FOR NUTUAL INDUCTANCE, M.	AND	TION BETWEEN MUTUAL INDUCTION		C2-07 00 YOU	C2-06 DO YOU REMOVE OR REPLACE COMPLETE TRANSFORMERS.	C2-05 00 YOU		CATCA DO TOC LUSTECT TRANSFORMETERS.	00 400	CAPACITORS.	CI-36 DO YOU WORK WITH DON'T REMEMBER WHICH TYPE OF	C1-35 00 YOU	CITUS DO TOU EORX SITE MICA CAPACITORS OF IMEDIO	100 HONE HILL	C1-31 00 100 HORK WITH	CVARIABLE.	DO YOU WORK WITH	CI-29 DO YOU CALCULATE CAPACITIVE REACTANCE.	CAPACITIC TEACTANCE IS INTERSELT PROFORTIONAL TO	C. P. C. C. C. C. C. DETEN C. TE GENERAL NOTE .	TOTAL TOTAL TO THE TOTAL CIRCUITS	YOU USE OR REFER TO	APPEARS TO DO SO.	CURRENT DOES NOT FLOW THROUGH CARACITORS. IT ONLY	CATACITORS IN SERVED AND THE GENERAL ROLE THAT CISO	CITAL DO TOO CALCOLATE THE TOTAL CAPACITANCE OF	
MATERIALS.	MATERIALS.	THE CHARGALS. THE CONTRETER TO RELUCTANCE OF MAGNETIC	C3-03 DO YOU	C3-02 DO YOU USE OR REFER TO	C 3-01 00 TOU	PARTS. SUCH AS A WIND!	^	TRANSFORMER.	C2-42 DO YOU	CZ-41 DO YOU TROUBLESHOOT 3	62-40 00 YOU ADJUST 3 P	2-39 DO YOU CLEAN OR L	•	DELAN TRANSPORTER.		CZ-36 00 100	USING TURNS RATIOS.	^	RATIOS FOR TRANSFORMER	^		TURNS RATIO OF A TRANS	C2-33 DO YOU REFER TO O	•	SCHEMATIC SYMBOLS.	SECONDARY AND PRIMARY VOLTAGES OF TRANSFORMERS USING	C2-31 DO YOU DETERMINE	SCHEMATIC SYMBOLS FOR	0	FOR TRANSFORMERS.	TOX TXAXUTORERS.	0	FOR TRANSFORMERS.	0		SCHEMATIC STREETS TO	CATAN DO TOO REPER TO	STABOLS FOR TRANSF	C2-24 DO YOU REFER TO T			SO C2+23 DO YOU MEASURE OUTPUT VOLTAGE OF TRANSFORMERS TO	TO DETERMINE EXCISES A TRANSFORMER HAS A STEP-UP OR	TO DETERMINE MUSTURE

D201 01-17 30 TOU USE OR REFER TO MALF POWER POINTS WHEN MORKING WITH RCL CIRCUITS.	D202 D1-18 DO YOU USE OR REFER TO BRANDPASS REGION WHEN WORKING #17H RCL CIRCUITS.	D203 D1-19 DO YOU USE OR REFER TO CIRCUIT & WHEN WORKING WITH RCL CIRCUITS.		D205 D1-21 DO YOU DETERMINE VALUES OF TRIGONOMETRIC FUNCTIONS USING FORMULAS: SIME OF AN ANGLE - OPPOSITE SIDE	DIVIDED BY HYPOTENUSE.	VECTOR DIAGRAMS FOR CIRCUITS.	CIRCUITS. CIRCUITS. D208 D1-24 D0 YOU CALCULATE PH.SE ANGLES AFTWEN IMPEDANCE		CIRCUITS. D210 D1-26 DO YOU CALCULATE IMPEDANCE ANGLES FOR SERIES RCL	CIRCUITS. D211 D1-27 DO YOU CALCULATE APPARENT POWER (PA) FOR SERIES	RCL CIRCUITS. D212 D1-28 DO YOU CALCULATE TRUE POWER (PT) FOR SERIES RCL		RCL CIRCUITS. D214 D1-30 DO YOU CALCULATE TOTAL CURRENT FOR PARALLEL RCL	CIRCUITS. D215 D1-31 DO YOU CALCULATE IMPEDANCE ANGLES FOR PARALLEL	RCL CIRCUITS. D214 D1-32 DO YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL	CIRCUITS USING THE ASSUMED VOLTAGE METHOD. 0217 01-33 DO YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL	CIRCUITS USING DAM'S LAW.	0219 01-35 DO YOU CHECK CAPACITORS USING SUBSTITUTION.	D22 01-30 D0 YOU CHECK INDUCTORS USING SUBSTITUTION. D22 01-38 D0 YOU USE OR REFER TO THE GENERAL BULE TWAT	CIRCUITS.	0224 01-40 DO YOU USE OR REFER TO THE GENERAL RULE THAT	RESONANT PREQUENCY FOR SERIES RCL CIRCUITS.	THE MICHAEL STREET OF MICHAEL ST. THEREST. THE CASE OF
CITA C3-06 DO YOU USE OR REFER TO RESIDUAL MAGNETISM.	OR REFER TO	MAGNETISM.	MAGNETISM.	USE OR REFER TO	MAGNETIC POLES, LIKE POLE	CISS C3-13 DO YOU USE THE LEFT HAND THUMB RULE TO FIND THE	CLES CA-14 DO YOU USE THE LEFT THUMB RULE TO FIND THE NORTH POLE OF A CURRENT CARRYING COLL.	D RCL CIRCUITS, SERIES AND PARALLEL	RESONANCE (TIME CONSTANTS). AND FILTERS	PRESENT JOB.	DI-02 DO YOU USE OR REFER T	DI-03 DO YOU USE WORKING WITH RCL	DI-04 DO YOU USE OR REFER T	DI-05 DO YOU USE OR REFER T	DI90 DI-06 DO 700 USE OR REFER TO TANGENT WHEN WORKING WITH RCL CIRCUITS.	DIST DI-07 DO YOU USE OR REFER TO MATTS WHEN WORKING MITH RCL CIRCUITS.	DIG 2 01-08 DO YOU USE OF REFER TO TRUE POWER (PT) WHEN	DING DI-OF DO YOU USE OR REFER TO MAXIMUM POWER IPM MHEN		TON DEE	BIST DISTRICE CIRCUITS.	WORKING WITH RCL CIRCUITS	ACL CIRCUITS.

D224 DI-90 DO VOU USE OR REFER TO THE GENERAL RULE THAT IMPEDANCE IS MINIMUM AND CURRENT MAXIMUM AT THE RESONANT FREGUENCY FOR SERIES RCL CIRCUITS.
D225 DI-91 DO YOU USE OR REFER TO THE GENERAL RULE THAT LINE CURRENT IS MINIMUM AND IMPEDANCE MAXIMUM AT RESONANT FREGUENCY FOR PARALLEL RCL CIRCUITS.
D224 DI-92 DO YOU USE OR REFER TO THE GENERAL RULE THAT MALE FOWER POINTS ARE AT 70.7 PERCENT OF THE FEAK

RCL CIRCUITS.

DI=15 DO TOU USE OR REFER TO SELECTIVITY WHEN WORKING WITH RCL CIRCUITS.

DI=14 DO YOU USE OR REFER TO RESONANT FREQUENCY WHEN

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WORKING WITH RCL CIRCUITS.

TOU WORK WITH. D3-20 ARE SERIES PARALLEL CIRCUITS USED IN FILTERS YOU WORK WITH. D3-21 ARE SOLITS RESONANT CIRCUITS USED IN FILTERS YOU WORK WITH. D3-21 ARE DON'T REHEBER WHICH TYPE OF BASIC CIRCUIT USED IN FILTERS YOU WORK WITH. D3-22 DO YOU USE EQUATIONS OR FORMULAS TO DETERMINE CAPACITANCE OR INDUCTANCE YALUES REQUIRED FOR SPECIFIC FILTERS. COUPLING, SOLDERING, AND RELAYS E1-02 DO YOU WORK WITH COUPLING DEVICES ON YOUR PRESENT E1-03 DO YOU WORK WITH COUPLING DEVICES ON YOUR PRESENT E1-03 DO YOU WORK WITH COUPLING DEVICES ON YOUR PRESENT E1-04 DO YOU WORK WITH COUPLING THE COMPONENTS ASSOCIATED WITH HAPEDANCE COUPLING. E1-04 DO YOU DENTIFY ON SCHEMATIC DIAGRAMS AND RELATE E1-05 DO YOU DENTIFY ON SCHEMATIC DIAGRAMS AND RELATE E1-06 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM THE IMPEDANCE COUPLING FUNCTIONS. E1-08 DO YOU WORK WITH CAPACITIVE FUNCTIONS. E1-08 DO YOU WORK WITH CAPACITIVE FUNCTIONS. E1-10 DO YOU WORK WITH CAPACITIVE COUPLING FUNCTIONS. E1-10 DO YOU WORK WITH CAPACITIVE COUPLED CIRCUITS. E1-10 DO YOU WORK WITH TRANSFORMER COUPLED CIRCUITS. E2-03 DO YOU WORK WITH TRANSFORMER SOLDERING E2-04 DO YOU SELECT TYPE OF SOLDER WHICH TYPE OF SOLDER WITH TYPE OF SOLDER WITH TYPE OF SOLDER WITH TYPE OF SOLDER WITH THE SOLDER WITH

HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND

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S ON SPEAKER CONES
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S ON SPEAKER ELECTROMACNETS
S ON SPEAKER SOFT IRON CORES
S ON SPEAKER SOFT IRON CORES
TO PERFORM OPERATIONAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          F3-06 DO YOU USE OSCILLOSCOPES TO HEASURE FREQUENCY
F3-07 DO YOU USE OSCILLOSCOPES TO NESSURE TIME
F3-08 DO YOU USE OSCILLOSCOPES TO OBSERVE LISAJOUS PATTERNS
UTILITING ATTENNATOR PROBES
F3-09 DO YOU USE OSCILLOSCOPES TO OBSERVE SIGNALS WHILE
DO YOU REMOVE OR REPLACE COMPLETE MICROPHONES
DO YOU REMOVE OR REPLACE MICROPHONE PARTS
DO YOU PERFORM TASKS ON CARBON MICROPHONES
DO YOU PERFORM TASKS ON CAPACITOR MICROPHONES
DO YOU PERFORM TASKS ON DYNAMIC MICROPHONES
DO YOU PERFORM TASKS ON DYNAMIC MICROPHONES
DO YOU PERFORM TASKS ON VELOCITY RIBBON MICROPHONES
IN YOUR PRESENT JOB, DO YOU PERFORM ANY TASKS DEALING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            F350 F3-09 DO YOU USE OSCILLOSCOPES TO MAKE FREQUENCY OR TIME MEASUREMENTS USING DELAY TIME MULTIPLIERS
F351 F3-10 DO YOU USE OSCILLOSCOPES TO MEASURE AC VOLTAGE
F352 F3-11 DO YOU USE OSCILLOSCOPES TO MEASURE OR OBSERVE
SIGNALS AFTER FIRST ADJUSTING THE GAIN AND DC BAL CONTROLS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DO YOU WORK WITH SEMICONDUCTOR DIDDES IN YOUR PRESENT
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                                                                                                                                                                                                                                                                                                                                                                         F2-03 DO YOU CLEAN SPEAKERS
F2-04 DO YOU OPERATE SPEAKERS
F2-05 DO YOU TROUBLESHOOT AS FAR AS CHECKING WIRE
CONNECTIONS BUT DO NOT TROUBLESHOOT DOWN TO COMPONENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           F353 F3-12 DO YOU USE OSCILLOSCOPES TO MEASURE DC VOLTAGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPLETE SPEAKERS
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DO YOU REHOVE OR REPLACE DIODES
DO YOU CHECK DIODES USING AN INSTRUMENT
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PERTORN ANY TANKS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1346 F3-05 DO YOU USE
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F334 F2-08
F335 F2-09
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6356 61-03
6357 61-09
          F320 F1-07
F321 F1-08
F322 F1-09
F323 F1-10
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E 302 E3-08 DO YOU STRAIGHTEN RELAT CONTACTS

E 304 E3-09 DO YOU PERFORM TASKS ON RELAT CONTACTS

E 304 E3-00 DO YOU PERFORM TASKS ON RELAT CONTACTS

E 305 E3-01 DO YOU PERFORM TASKS ON RELAT COILS

E 306 E3-11 DO YOU PERFORM TASKS ON RELAT ARHATORES

E 307 E3-13 DO YOU PERFORM TASKS ON RELAT SPRINGS

E 307 E3-13 DO YOU PERFORM TASKS ON RELAT SPRINGS

E 308 E3-14 DO YOU DE OR REFER TO SINGLE POLE; SINGLE THROW

I SPST; NORMALLY OPER (NO) SCHEMATIC SYMBOLS FOR RELATS

E 310 E3-16 DO YOU USE OR REFER TO SINGLE POLE; DOUBLE THROW

I SPST; NORMALLY CLOSE (NC) SCHEMATIC SYMBOLS FOR RELATS

E 311 E3-17 DO YOU USE OR REFER TO SINGLE POLE; DOUBLE THROW

I SPST; SCHEMATIC SYMBOLS FOR RELATS

E 311 E3-17 DO YOU USE OR REFER TO SINGLE POLE; DOUBLE THROW

I SPST; SCHEMATIC SYMBOLS FOR RELATS

E 311 E3-17 DO YOU USE OR REFER TO OTHER RELAT SYMBOLS SCHEMATIC

SYMBOLS FOR RELATS

E 312 E3-18 DO YOU USE OR REFER TO OTHER RELAT SYMBOLS SCHEMATIC

E 313 E3-19 DO YOU USE OR REFER TO OTHER RELAT SYMBOLS SCHEMATIC

E 314 E3-19 DO YOU USE OR REFER TO OTHER RELAT SYMBOLS SCHEMATIC

E 315 E3-19 DO YOU USE OR REFER TO OTHER RELAT SYMBOLS SCHEMATIC

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E 315 E3-19 DO YOU USE OR REFER TO OTHER RELAT SYMBOLS SCHEMATIC
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                                                                                                                                                                                                                                                                                                                                  E2-19 DO TOU MAKE HARDWIRE CONNECTIONS.
E2-20 DO YOU MAKE PRINTED CIRCUIT BOARD CONNECTIONS
E2-21 DO YOU MAKE PRINTED CIRCUIT BOARD CONNECTIONS
CAPACITORS ON PRINTED CIRCUIT BOARDS
E2-22 DO YOU SOLDER ACTIVE COMPONENTS SUCH AS SOLID*STATE
DIODES OR TRANSISTORS ON PRINTED CIRCUIT BOARDS
E3-UI DO YOU WORK WITH RELAYS ON YOUR PRESENT JOB
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F316 F1-03 DO TOU CLEAN HICROPHONES
F317 F1-04 DO TOU OPERATE HICROPHONES
F318 F1-05 DO TOU TROUBLESHOOT AS FAR AS CHECKING WIRE
CONNECTIONS BUT DO NOT TROUBLESHOOT DOWN TO COMPONENT
                                                                                                                                                                                                                                                               DO YOU CUT COMPONENT LEADS TO REMOVE COMPONENTS.
DO YOU CLEAN SOLDERING IROW TIPS.

DO YOU CLEAN ELECTRICAL SURFACES USING ERASERS.

DO YOU TIN OR PRE-TIN CONDUCTORS.

DO YOU INSPECT SOLDEED CONNECTIONS.

DO YOU DESOLDER CONNECTIONS BY WICKING.

DO YOU DESOLDER CONNECTIONS USING VACUUM.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DO YOU INSPECT RELAYS
00 YOU REMOVE OR REPLACE COMPLETE RELAYS
00 YOU REMOVE OR REPLACE PARTS OR RELAYS
00 YOU TROUBLESHOOT RELAYS
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AF AIR FORCE SYSTEMS COMMAND

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INVENTORY (DUTY/TASK TITLES!

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A contract with the second

JOBINY PAGE 99 AIR FORCE SYSTEMS COMMAND	6439 G3-12 DO TOU USE OR REFER TO (COMMON EMITTER) THE CHANGE IN BASE CORREST WHICH RESULTS FROM AN INPUT SIGNAL	CALCULATIONS RECESSARY TO MEASURE THE SPECIFIC CHANGE IN	G441 G3-14 DO VOU USE THE LOAD-LINE METHOD OF ANALYSIS IN YOUR	CINCOL TARELULA TRANSPERDA MENOLOGIA CONTROL DO TOTAL TRANSPERDA CINCOL DE TARELULA CONTROL DE TARE DE TARE.	GOLIESCENT POINT) FOR A TRANSISTOR		6444 63-17 DO YOU MEASURE YOLTAGE GAIN USED IN THE COMMON EMITTER CONFIGURATION AND SEATER THE FORMON	EN177ER	EMITTER CONFIGURATION G447 G3-20 DO YOU CALCULATE THE VOLTAGE GAIN FOR SPECIFIC TRAM-	SISTORS USING A FORMULA THAT IS, DO YOU DIVIDE THE CHANGE IN GASE-EMITTER VOLTAGE INTO THE CHANGE THE BASE COLLECTOR	VOLTAGE TO DETERMINE THE VOLTAGE GAIN 6448 63-21 DO YOU CALCULATE THE CURRENT GAIN FOR SPECIFIC		CURRENT TO DETERMINE THE CURRENT GAIN		CURRENT GAIN TIMES THE VOLTAGE GAIN TO DETERM POWER GAIN	G450 G4-24 DO TOU NEED TO KNOW THAT MORE COLLECTON CURNENT IS GENERALED WITH LESS COLLECTOR VOLTAGE AS TEMPERATURE INCREASES (THIS AFFETTS THE STATIC DEFRATING POINT FOLD	60.0	TRANSISTOR AT DIFFERENT	THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH ENITTER (SWAMPING) RESISTOR STABILIZATION	6453 63-24 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO	6454 63-27 TO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO	REL	THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH FORWARD DAIS FOOD STABLIZATION G456 G3-24 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH REVERSE BIAS DIODE STABILIZATION
JOB INVENTURY (DUTY/TASK TITLES)		GATE GENERAL OF THE CONTROL OF THE COLLECTION - MASE JUNCTION	TRANSISTED STRUCTURE (COLLECTOR) BASE AND ENTITERS AND STRUCTURE (COLLECTOR) BASE AND ENTITERS) IN A	TRAISLESTON ON USE OR REFER TO LEARNING CONTRACTOR OF TRAISLESTON ON USE OR REFER TO TRAISLESTON SCHEMENT OF SYMMOLS	6 62-13 DO YOU USE OR REFER TO TRANSISTOR NOTATION SUCH AS	USE OR REFER TO TRANSISTOR SUBSTITUTION	INFORMATION GHIR GENERAL RULE THAT THE GHIR GENERAL RULE THAT THE TRANSISTOR RASE CURRENT IR IS NORMALLY SIGNIFICANTLY	SMALLER THAN THE EMITTER CURRENT IE (USUALLY 19 BEING 2 TO	6419 62-16 DO YOU USE THE INFORMATION THAT THE EFFECT OF EMITTER BASE VOLTAGE ON BASE CURPENT IS THE CONTROLLING FACTOR FOR	ULE THAT LEAKAGE CURRENT	SES AS TEMPERATURE INCREASES RANGISTOR CHARACTERISTIC	CURVES CONTRACT TO BETA TRANSISTOR GAINS	62-20 DO YOU USE OR REFER TO ALPHA TRANSISTOR GAINS	G2-22 DO TOU CALCULATE BETA TRANSISTOR GAINS	DO YOU CALCULATE CAMMA TRANSISTOR GAINS	FACTOR TO THE TRANSISTOR APPLIFICAS IN TOUX PRESENT JOB PRESENT JOB PRESENT JOB PRESENT JOB PRESENT TRANSISTOR APPLIFICAS	63-03 DO YOU ALIGN OR ADJUST T	63-05 DO TOU TROUBLESHOOT TO AMPLIFIER COMPONENTS	63-07 DO YOU REMOVE OR REPLACE ANTLIFIER COMPONENTS 63-06 DO YOU USE OR REFER TO (COMMON EMITTER) THE CHANGE IN	COLLECTOR CURRENT WHICH RESULTS PROF A CHANGE IN BASE CURRENT	YOU USE OR REFER TO (COMMON ENITTER) THE THOS MECESSARY TO MEASURE THE SPECIFIC CHANGE IN OR CURRENT MAIN BEAUTY FROM A REFITELY MANKE IN	COMMON ENITTER! THE CHANGE IN	

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WHICH PERFORM EMITTER (SWAMPING) RESISTOR STABILIZATION
6459 63-32 DO YOU THOUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS
WHICH PERFORM SELF-BIAS STABILIZATION
6460 63-33 DO YOU THOUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS
WHICH PERFORM THERMISTOR STABILIZATION
6461 63-34 DO YOU THOUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS
WHICH PERFORM FORWARD BIAS DIODE STABILIZATION
6462 63-35 DO YOU THOUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS
WHICH PERFORM REVERSE BIAS DIODE STABILIZATION
6462 63-35 DO YOU THOUBLESHOOT CIRCUITS STABILIZATION
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G3-41 DO YOU TROUBLESHOOT TRANSISTOR CIRCUITS TO FIND
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              USE OR REFER TO VARACTORS
USE OR REFER TO TUNNEL DIODES
USE OR REFER TO DISCUSE PRESENTATIONS
USE OR REFER TO UNIJUNCTION TRANSISTORS
USE OR REFER TO ZENER DIODES
USE OR REFER TO INTEGRATED CIRCUITS
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   YOU WORK WITH POWER SUPPLIES
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H2-25 DO TOU WORK WITH CIRCUITS WHICH EMPLOY INDUCTIVE
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                                                                                                                                                                                                                                                                                                                                                                     H2-26 DO YOU WORK WITH CIRCUITS WHICH EMPLOY LC PI-TYPE
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TROUBLESHOOT TO POWER SUPPLY COMPONENTS
TROUBLESHOOT TO POWER SUPPLY COMPONENTS
REMOVE OR REPLACE COMPLETE POWER SUPPLIES
REMOVE OR REPLACE POWER SUPPLY COMPONENTS
WORK WITH HALF-WAVE RECTIFIERS OTHER THAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      USE OR REFER TO INPUT FREQUENCY
USE OR REFER TO PEAK OUTPUT VOLTAGE
USE OR REFER TO AVERAGE OUTPUT VOLTAGE
USE OR REFER TO RIPPLE AMPLITUDE
USE OR REFER TO PEAK REVERSE (INVERSE) VOLTAGE
USE OR REFER TO SHAPE OF OUTPUT WAVEFORMS
USE OR REFER TO EFFECTIVE OUTPUT VOLTAGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WORK WITH BRIDGE RECTIFIERS
 38.0
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                                                                                                   USE OR REFER
                                                                                                                                   TROUBLE SHOOT TO OSCILLATOR COMPONENTS
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REMOVE OR REPLACE OSCILLATOR COMPONENTS
TROUBLESHOOT TO OSCILLATOR CIRCUIT LEVEL
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PIEZOELECTRIC EFFECT
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HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND 101 JOBINY PAGE

ETC! AFFLIFICATION FACTORS
ISB6 13-24 DO TOU USE OR REFER TO ELECTROM TUBE TRANSCONDUCTANCE
1G. WHICH IS MEASURED IN WHOS!
1547 13-25 DO TOU CALCULATE ACTUAL VALUES OF ELECTROM TUBE
TRANSCONDUCTANCES IN TOUR 19-19 DO YOU USE OR REFER TO CATHODE VOLTAGE 13-20 DO YOU USE OR REFER TO CATHODE CURRENT 13-21 DO YOU USE OR REFER TO THE TRIDGE AMPLIFICATION 14-21 DO YOU USE OR PEFER TO THE OPEN IS DEFINED A 14-21 DO F CHANGE IN PLATE VOLTAGE TO A CHANGE IN GRID 1545 13-01 IN YOUR PRESENT JOB, DO YOU WORK ON EQUIPMENT WHICH 1592 13-28 DO YOU USE OR REFER TO ELECTRON TUBE INTERELECTRODE MORK WITH LIMITERS WITH BIAS
MORK WITH ZENER DIODE LIMITERS
MORK WITH TRANSISTOR LIMITERS
MORK WITH DON'T KNOW WHICH TYPE OF LIMITERS
WORK WITH BASIC DIODE CLAMPING CIRCUITS
WORK WITH DIODE CLAMPING CIRCUITS
WORK WITH DO 1587 13-23 DO YOU USE OR REFER TO MULTIGRID (TETRODE, PENTODE OR REFER TO CUTOFF
OR REFER TO PEAK INVERSE VOLTAGE RATING
OR REFER TO PEAK CURRENT RATING
OR REFER TO TRANSIT TIME 1590 13-26 DO YOU USE OR REFER TO THE ELECTRON TUBE PARAMETER MORK WITH ELECTRON TUBES 3-30 DG TOU USE CHARACTERISTIC CURVES TO SELECT PLATE Voltage for a specified bias CONTAINS ELECTRON TUBES

3-02 DO YOU CHECK ELECTRON TUBES TO SEE IF THEY ARE 6

3-03 DO YOU USE TUBE TESTERS TO CHECK ELECTRON TUBES

3-04 DO YOU USE WULTIHETERS TO CHECK ELECTRON TUBES

3-05 DO YOU USE SCOPES TO CHECK ELECTRON TUBES

3-06 DO YOU USE SUBSTITUTION TO CHECK ELECTRON TUBES OR REFER TO PLATE DISSIPATION RATING OR REFER TO SATURATION 1593 13-29 DO YOU USE OR REFER TO CHARACTERISTIC CURVES OR REFER TO DC PLATE RESISTANCE UTE ACTUAL VALUES OF THE DC PLATE CALLED AC PLATE RESISTANCE 1591 13-27 DO YOU CALCULATE ACTUAL VALUES OF AC PLATE 1586 13-22 DO YOU CALCULATE ACTUAL VALUES OF TRIODE R ELECTRON TUBES
SE OR REFER TO PLATE VOLTAGE
SE OR REFER TO PLATE CURRENT
SE OR REFER TO GRID VOLTAGE
SE OR REFER TO GRID CURRENT AMPLIFICATION FACTORS USE USE USE COMP 350 USE USE ESISTANCE FOR 00 100 DO 700 CAPACITANCE RESISTANCE VOLTAGE RCU11 13-06 13-09 13-11 1594 13-30 12-06 01-13-03 13-15 13-10 12-08 13-13 3-05 13-08 13-14 1573 1568 570 1574 1575 1577 1579 1580 1583 DO YOU WORK WITH SHUNT HARTLEY SINUSOIDAL OSCILLATORS
DO YOU WORK WITH COLPIITS SINUSOIDAL OSCILLATORS
DO YOU WORK WITH GLAPP SINUSOIDAL OSCILLATORS
DO YOU WORK WITH BUTLER SINUSOIDAL OSCILLATORS
DO YOU WORK WITH BUTLER SINUSOIDAL OSCILLATORS Y S H532 H3-21 DO YOU WORK WITH OSCILLATORS WHICH USE DON'T REMEMBER 1547 11-09 DO YOU WORK WITH HU, TIVIBRATORS WHICH CONTAIN LC TANK 1542 11-04 DO YOU CALIBRATE WAVE GENERATING OR SHAPING CIRCUITS 1543 11-05 DO YOU TROUBLESHOOT TO MAVE GENERATING OR SHAPING 80 SHAPING CIRCUITS
1546 11-96 DO YOU REMOVE OR REPLACE MAVE GENERATING OR SHAPING 1539 11-01 DO YOU MORK WITH MULTIVIBRATORS IN YOUR PRESENT JOB 1540 11-02 DO YOU INSPECT MAVE GENERATING OR SMAPING CIRCUITS 1541 11-03 DO YOU ALIGN OR ADJUST MAVE GENERATING OR SMAPING ISSO II-12 DO YOU WORK WITH MULTIVIBRATORS WHICH CONTAIN DON'T Remember Welch Type of FDD FDD MORK WITH OSCILLATORS WHICH USE RC METWORKS H3-20 00 YOU WORK WITH OSCILLATORS WHICH USE CRYSTALS AS CIRCUIT COMPONENTS 1544 11-06 DO YOU TROUBLESHOOT TO WAVE GENERATING OF SHAPING ĕ MULTIVIBRATORS, LIMITERS, CLAMPERS, AND ELECTRON TUBES MORK WITH OSCILLATORS WHICH USE LC TANK 1548 11-10 DO YOU MORK WITH MULTIVIBRATORS WHICH CONTAIN 1549 11-11 DO YOU WORK WITH HULTIVIBRATORS WHICH CONTAIN 1555 12-01 00 YOU WORK WITH LIMITERS OR CLAMPERS IN YOUR 1551 11-13 DO YOU WORK WITH ASTABLE MULTIVIBRATORS
1552 11-19 DO YOU WORK WITH HONDSTABLE MULTIVIBRATORS
1553 11-15 DO YOU WORK WITH BISTABLE MULTIVIBRATORS
1554 II-16 DO YOU WORK WITH BON'T REMEMBER WHICH TYPE H533 H3-22 DO YOU WORK WITH SERIES HARTLEY SINUSGIDAL OSCILLATORS
H534 H3-23 DO YOU WORK WITH SHUNT HARTLEY SINUSGIDAL USE OR REFER TO CRITICAL DAMPING USE OR REFER TO UNDER DAMPING USE OR REFER TO OVER DAMPING WITH SERIES DIODE LIMITERS WITH SHUNT DIODE LIMITERS *HICH TYPE OF FDD # 0 B MULTIVIBRATORS 00 100 CIRCUITS AS H3-18 50 YOU OSCILLATORS COMPONENTS CIRCUITS 1542 11-04 DO V CIRCUITS NETWORKS CRYSTALS CIRCUITS 13-15 43-14 H3-54 H3-27 1545 11-07 H3-25 H3-26 H530 4529 H531 H537 H535 1557 108

CURRENT

FOR

REQUIRED FOR CUTOFF

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ELECTRON TUBE AMPLIFIERS AND
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13-43 DO YOU USE OR REFER TO THE TYPE OF MATERIAL OR THE
OPERATING TEMPERATURE OF THE EXITTING SURFACE IN THE
ELECTRON TUBES YOU WORK ON
13-44 DO YOU USE OR REFER TO TUBE SUBSTITUTION MATERIAL
                                                                                                                                                                                                                                         IN YOUR PRESENT JOB THE CLASS OF OPERATION FOR ELECTRON TUBE APPLIFIERS IN ORDER TO TROUBLESHOOT AMPLIFIER
                                                                                                                                                                                                                                                                                 JI-DI DO YOU WORK WITH ELECTRON TUBE AMPLIFIERS OR CIRCUITS
                                                                                                                                                                                                                                                                                                                PURPOSE ELECTRON TUBES, HETERODYNING, MODULATION.
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13-38 DO YOU USE OSCILLOSCOPES TO DETERMINE ELECTRON
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                                                                                                                              DO YOU TROUBLESHOOT
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                                                                                                                                                                                  TROUBLESHOOT OR REPAIR PARAPHASE AMPLIFIERS
TROUBLESHOOT OR REPAIR PUSH-PULL AMPLIFIERS
TROUBLESHOOT OR REPAIR COMPOUND-CONNECTED
 USE OR REFER TO
                                                        SE OR REFER TO THE CHARACTERISTICS OF BEAR
                              TROUBLESHOOT OR
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 THE CHARACTERISTICS
                              REPAIR CIRCUITS IN WHICH
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                             KI-17 DO YOU USE OR REFER TO AMPLITUDE STABILIZATION
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YOU USE OR REFER TO THE HETERODYNING OF SIGNALS
WORK WITH TRANSMIT OR RECEIVE SYSTEMS
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                                        PERFORM TASKS ON RF AMPLIFIERS
PERFORM TASKS ON RF AMPLIFIERS
PERFORM TASKS ON POWER AMPLIFIERS
PERFORM TASKS ON LOCAL OSCILLATORS
PERFORM TASKS ON LOCAL OSCILLATORS
PERFORM TASKS ON DETECTORS
PERFORM TASKS ON DETECTORS
                                                                                                                                                                                                                                        CLEAN AN TRANSMIT OR RECEIVE SYSTEMS
ALIGN OR ADJUST AN TRANSMIT OR RECEIVE
TROUBLESHOOT TO AN TRANSMIT OR RECEIVE
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JOBINV PAGE 104

JOB INVENTORY (DUTY/TASK TITLES

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AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND

JOBINY PAGE 105

SATURABLE REACTOR COMPONENTS
N2-08 DO YOU USE OR REFER TO HYSTERESIS CURVES OR LOOPS
N2-09 DO YOU INTERPRET SCHEMATIC DRAWINGS TO DEVELOP OUTPUT
NAVERORMS ACROSS REACTOR WINDINGS OR LOAD RESISTORS OF
SINGLE WINDING SATURABLE REACTORS
N2-10 DO YOU MEASURE OUTPUT WAVEFORMS ACROSS REACTOR
WINDINGS OR LOAD RESISTORS OF SINGLE WINDING SATURABLE 4828 N2-11 DO YOU INTERPRET SCHEMATIC DRAWINGS TO DEVELOP OUTPUT DO YOU HORK WITH MAVESHAPING CIRCUITS IN YOUR PRESENT REACTORS
N822 N2-05 DO YOU TROUBLESHOOT MAGNETIC AMPLIFIERS OR SATURABLE MAVEFORMS FOR MAGNETIC AMPLIFIERS
N829 N2-12 DO YOU USE OR REFER TO COERCIVE FORCE IN SATURABLE
REACTORS OR REFER TO TRANSIENT INTERVALS
OR REFER TO PULSE BIGTH (PB)
OR REFER TO PULSE RECURRENCE TIME (PRT)
OR REFER TO PULSE RECURRENCE FREQUENCY HB33 N2-16 DO YOU USE OR REFER TO SATURABLE REACTOR SCHEMATIC SATURABLE REACTORS
NB31 N2-14 DO YOU USE OR REFER TO FLUX DEMSITY IN SATURABLE NBI) NI-10 DO YOU USE OR REFER TO VOLTHETER SENSITIVITY (EXPRESSED IN UNITS OF OHMS PER YOLT)
NBIS N2-01 DO YOU WORK WITH SATURABLE REACTORS OR MAGNETIC AMPLIFIERS IN YOUR PRESENT JOB N819 N2-02 DO YOU INSPECT MAGNETIC AMPLIFIERS OR SATURABLE 1823 NZ-06 DO YOU REMOVE OR REPLACE MAGNETIC AMPLIFIERS OR REACTORS
N820 N2-03 DO YOU CLEAN MAGNETIC AMPLIFIERS OR SATURABLE
REACTORS
N821 N2-04 DO YOU ADJUST MAGNETIC AMPLIFIERS OR SATURABLE SATURABLE REACTORS
N824 N2-07 DO YOU REMOVE OR REPLACE MAGNETIC AMPLIFIER OR 4832 NZ-15 DO YOU USE OR REFER TO POINT OF SATURATION IN NBJO N2-13 DO YOU USE OR REFER TO RESIDUAL MAGNETISM IN SATURABLE REACTORS USE 333 ¥00 REACTORS REACTORS REACTORS 43-01 N3-05 43-03 N825 1834 × 835 7 8 8 7 X N827 OR DIRECTION OF THE INDUCED VOLTAGE IN NOTORS
M3-19 DO YOU WORK WITH SYNCHRONOUS NOTORS
M3-20 DO YOU WORK WITH INDUCTION NOTORS
M3-21 DO YOU WORK WITH SPLIT-PHASE NOTORS
M3-22 DO YOU WORK WITH SOME COMBINATION OF THE ABOVE MOTORS
M3-23 DO YOU INSPECT GENERATORS COMPONENT PARTS OF HOTORS H33-09 DO YOU PERFORM ANY TASKS ON FIELD COILS
H33-11 DO YOU PERFORM ANY TASKS ON ARMATURES
H33-12 DO YOU PERFORM ANY TASKS ON BRUSHES
H33-13 DO YOU PERFORM ANY TASKS ON SILP RIMES
H33-14 DO YOU PERFORM ANY TASKS ON COMMUTATORS
H33-15 DO YOU PERFORM ANY TASKS ON POLE PIECES
H33-16 DO YOU PERFORM ANY TASKS ON POLE PIECES FORCE OR TORQUE CREATED BY A HOTOR HA-17 DO YOU DETERHINE OR MEASURE THE DIRECTION OF THE 8 NITO DO TOU WORK WITH NETERS IN YOUR PRESENT JOB NITO DO TOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS DIRECT CURRENT HOTORS DO YOU CLEAN OR LUBRICATE GENERATORS
OO YOU PERATE GENERATORS
DO YOU REMOVE OR REPLACE COMPLETE GENERATORS
DO YOU REMOVE OR REPLACE GENERATOR PARTS
DO YOU TROUBLESHOOT AS FAR AS CHECKING WIRE CONNECTIONS OF GENERATORS
M3=2T DO TOU TROUBLESHOOT DOWN TO COMPONENT PARTS TROUBLESHOOT AS FAR AS CHECKING WIRE OF HOTORS MECHANICAL FORCE OR TORQUE CREATED BY A MOTOR M3-18 DO TOU DETERMINE OR MEASURE THE MAGMITUDE 13-03 DO YOU CLEAN OR LUBRICATE NOTORS
13-04 DO YOU OPERATE HOTORS
13-05 DO YOU REMOVE OR REPLACE COMPLETE NOTORS
13-04 DO YOU REMOVE OR REPLACE HOTOR PARTS
13-07 DO YOU TROUBLESHOOT AS FAR AS CMECKING WI METER MOVEMENTS, SATURABLE REACTORS, MAGNETIC AMPLIFIERS, AND WAVESHAPING CIRCUITS ROUBLESHOOT DOWN TO ALTERNATING CURRENT OR GENERATORS 00 H3-28 N809 N1-02 #3-5# 43-27 43-25 #784 #785 4795 H763 4786 1 1 9 4 9624 H802 H807 #799 ×789 061× H793 1071 H792 1084

N3-09 DO TOU DETERNINE WHETHER AN LR OR RC CIRCUIT IS DIFFERENTIATING OR INTEGRATING BASED ON THE TIME CONSTANT AND OUTFUT CONFIGURATION N3-10 DO YOU WORK WITH SQUARE WAVE GENERATORS N3-11 DO YOU WORK WITH RECLANGULAR WAVE GENERATORS

DO YOU USE OR REFER TO DIFFERENTIATING CIRCUITS
DO YOU USE OR REFER TO INTEGRATING CIRCUITS
DO YOU USE OR REFER TO THE CLASSIFICATION OF TIME
TANTS (TC) AS LONG, MEDIUM, OR SHORT

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SNO 43-07 1841 N3-08

NBII MI-04 DO YOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF

PERMANENT MAGNETS
NBIO NI-03 DO YOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS
MOVING COILS

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DO YOU ZERO OHMMETERS DO YOU ZERO AMMETERS DO YOU EXTEND THE RANGE OF VOLTMETERS

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AMMETERS

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JOB INVENTORY (DUTY/TASK TITLES)	JOBINY PAGE 107 AIR FORCE SYSTEMS COMMAND
0911 02-37 DO YOU USE FORMULAS TO CALCULATE AVERAGE POWER OR	0943 03.30 DO YOU MEASURE OR DETERHINE THE POLARITY OF ANTENNAS
PEAK POWER OF PULSE MODULATIO	YOU WORK ON
MODULATION TRANSMITTER SCHEMA	DATA DESCRIPTION TO TOWNSHALLS ON TOWNSHALL FOR
0913 02-39 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH PULSE	
MODULATION RECEIVER SCHEMATIC	0945 03-32 DO THE AMTENNA ARRAYS YOU WORK WITH CONTAIN PARASITIC
03-01 DO YOU WORK WITH ANTENNA	
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STORES DO YOU CLEAN ANTENNAS	ELEMENTS SERVING AS DIRECTORS
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03-06 DO TOU TROUBLESHOOT TO	COSTATES OF THE ANTENNA ARRAYA YOU MORK ALTH CONTAIN DOWN
920 03-07 DO YOU TROUBLESHOOT TO A	
921 03-56 DO YOU REMOVE OR INSTALL	0949 03+36 DO TOU WORK ON UNIDIRECTIONAL ANTENNAS
922 03-09 DO YOU REMOVE	03-37 DO YOU WORK
DO YOU USE OR	03-38 DO YOU WORK ON
REPRESENTATIONS OF E OR ELECT	03-39 DO TOU WORK
REPRESENTATIONS OF H OR MAGNETIC FIELD LINES	P TRANSMISSION LINES, WAVEGUIDES AND CAVITY
0925 03-12 DO YOU DETERMINE THE DIRECTION OF THE MAGNETIC LINES	RESONATORS, AND MICROWAVE AMPLIFIERS AND OSCILLATORS
IN RELATION TO THE	
	P953 PI-OI IN YOUR PRESENT JOB DO YOU WORK WITH TRANSMISSION
DE CORRECT	LINES TRANSMISSION LINES ARE DEFINED TO INCLUDE LEADS
INDUCTIVE LOADS	BETWEEN RECEIVERS AND ANTENNAS, TELEPHONE LEADS, AS WELL
0927 03-14 DO TOU USE OR WETER TO THE GENERAL WOLE THAT ANTENNAS	AS HIGH VOLTAGE POWER LINES, ETC. DO NOT CONSIDER
THICK ARE LUNGER THAN A HALF-WAVE AC. AS INDUCTIVE LUADS	MANEGOLDES AS TRANSMISSION LINES
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WHICH ARE SHORTER THAN A HALF	P955 PI-03 DO YOU REFER TO OR USE SKIN EFFECTS OF HIGH FREQUENCY
TO THE GENERATOR	
03-16 DO YOU WORK WITH	P956 PI-04 DO YOU REFER TO OR USE RADIATION LOSS IN TRANSMISSION
03-17 00 700 WORK WITH	LINES
03-18 DO YOU WORK WITH BROADS	P957 PI-05 DO YOU USE OR REFER TO DIELECTRIC LOSS IN
HORK HITH	TALNSMISSION LINES
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INDUCTION FIELDS WHEN WORKING	P1-08 D0 Y0U WORK WITH
0936 03-23 DO YOU MEASURE FLECTROMAGNETIC INDUCTION FIELDS OF	PI-09 DO YOU WORK
ANTENNAS	PI-IO DO YOU WORK WITH
0937 03-24 DO YOU USE OR REFER TO THE TERM ELECTROMAGNETIC	LINES
RADIATION FIELDS WHEN WORKING	P963 PI-II DO YOU WORK WITH RIGIO COAXIAL CABLE TRANSMISSION
0938 03-25 DO YOU MEASURE ELECTROMAGNETIC RADIATION	LINES
FIELDS OF ANTENNAS	P964 PI-12 DO YOU TROUBLESHOOT TRANSMISSION LINES
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INVENTORY DUTY/TASK TITLES!

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AF HUMAN RESOURCES LABORATORY AIR FORCE SYSTEMS COMMAND

TIB1 T1-23 DO YOU PERFORM TASKS ON OCULAR LENSES
T182 T1-24 DO YOU PERFORM TASKS ON CORRECTION LENSES
T183 T1-25 DO YOU PERFORM TASKS ON FILTER
T184 T1-24 DO YOU PERFORM TASKS ON SPHERICAL MIRRORS
T185 T1-27 DO YOU PERFORM TASKS ON PLANE MIRRORS
T186 T2-01 DOES YOUR PRESENT JUB INVOLVE ANY TASKS DEALING WITH TISH TZ-09 DO YOU REMOVE OR REPLACE MAJOR ASSEMBLIES OF LASER JR REFER TO ANGSTROMS (A)
JR REFER TO ELECTRON EMERGY LEVELS
JR REFER TO GROUND STATE
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T188 72-03 DO YOU CLEAN LASER SYSTEMS
T189 72-04 DO YOU OPERATE LASER SYSTEMS
T190 72-05 DO YOU OPERATE LASER SYSTEMS
T191 72-06 DO YOU TROUBLESHOOT WIRE CONNECTIONS OF HELICAL FLASHTUBES ACTIVE MATERIALS 111 WORK WITH 0000000 12-10 DO YOU REHOVE 00 YOU WORK USE 400 400 72-11 00 72-13 DO 72-14 DO 72-15 DO 72-16 DO 12-17 00 72-08 DO 00 12-25 00 00 000 SYSTEMS SYSTEMS HIRRORS HIRRORS LASERS 12-21 12-23 12-19 1195 1210 1193 1208 1192 1204 SIGN DO TO THE PROPERTY OF THE PROPERTY OF SIGNATURE SIN YOUR PRESENT JOB SZ-01 IN YOUR PRESENT JOB DO YOU WORK WITH CHOPPER CIRCUITS SIGNATOR PRESURE EXCITATION FREQUENCIES SIGNATION FREQUENCIES SIGNATION FREQUENCIES SIGNATION FREQUENCIES SIGNATOR DO YOU USE OR REFER TO EXCITATION FREQUENCIES SIGNATOR OF THE SIGNATION FREQUENCIES TIS9 TI-DI DOES YOUR PRESENT JOB INVOLVE ANY TASKS DEALING WITH CIRCUIT OPERATION SIST SI-UB DO TOU USE ERROR SIGNAL DEVICES IN CONJUNCTION WITH CHOPPER CIRCUIT OPERATION SISS 53-09 DO YOU USE COMPANION CIRCUITS IN CONJUNCTION WITH CHOPPER CIRCUIT OPERATION VISUAL READOUT SYSTEMS
SI47 51-02 DO YOU PERFORM ANY TASKS ON NIXIE LIGHTS OR NIXIE SITE SI-03 DO YOU ANALYZE NIXIE LIGHT DECODER SYSTEMS USING OPERATION YOU USE DETECTORS IN CONJUNCTION MITH CHOPPER OPERATION TIGHT 1-03 DO YOU CLEAN INFRARED SYSTEMS
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This report summarizes the results of the administration of the Electronics Principles survey to airmen assigned to the Avionics Aerospace Ground Equipment (AGE) specialties, including 326XOA, Manually Operated Avionics AGE; 326XOB, Automatic Avionics AGE; 326XOC, F/RF-4 Peculiar AGE, and 326XOD, A-7D Avionics AGE. The report gives a detailed listing of the technical tasks and knowledge needed to perform the jobs within the specialty or career ladder.

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This specialty has the following functions:

Inspects, troubleshoots, repairs, modifies, calibrates and certifies avionics aerospace ground equipment and supervises avionics aerospace ground equipment activities. Analyzes and isolates avionics aerospace ground equipment malfunctions. Inspects and evaluates components of avionics aerospace ground equipment.

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